January 3, 2008

Teres' Jimenez
Municipal Solid Waste Permits Division
Texas Commission on Environmental Quality
MC 124
P.O. Box 13087
Austin, TX 78711-3087

RE: Municipal Solid Waste – Grimes County, Texas
Twin Oaks Landfill (Formerly SH-30 Landfill) – MSW Permit No. 2292
Permit Modification – Revised Site Operating Plan

Dear Ms. Jimenez:

Attached please find the Brazos Valley Solid Waste Management Agency's (BVSWMA) revised Site Operating Plan (SOP) for the Twin Oaks Landfill (formerly SH-30 Landfill). In anticipation of opening this new landfill, the SOP has been updated to meet the requirements of 30 TAC §330, Subchapter D, and is submitted as a notice modification.

One original and three copies of the new document are enclosed. We are sending a complete new document as the number of revisions made sending only replacement pages impractical. For ease in reviewing the changes from the original document, included is a redline/strikeout version. Also enclosed is a copy of the check and cover letter sent to the TCEQ registrar in the amount of $150.00 for the permit modification application fee and the required Part I Form and Core Data Form.

This modification is being submitted pursuant to 30 TAC §305.70(l). Therefore we have included a copy of the Landowners Map from the permit as well as an updated list of owners within 500 feet of the site. Two sets of mailing labels are included for your convenience.

We look forward to working with the TCEQ to secure approval of this modification. If you have any questions or comments regarding its contents, please feel free to contact the undersigned at (214) 733-5911.

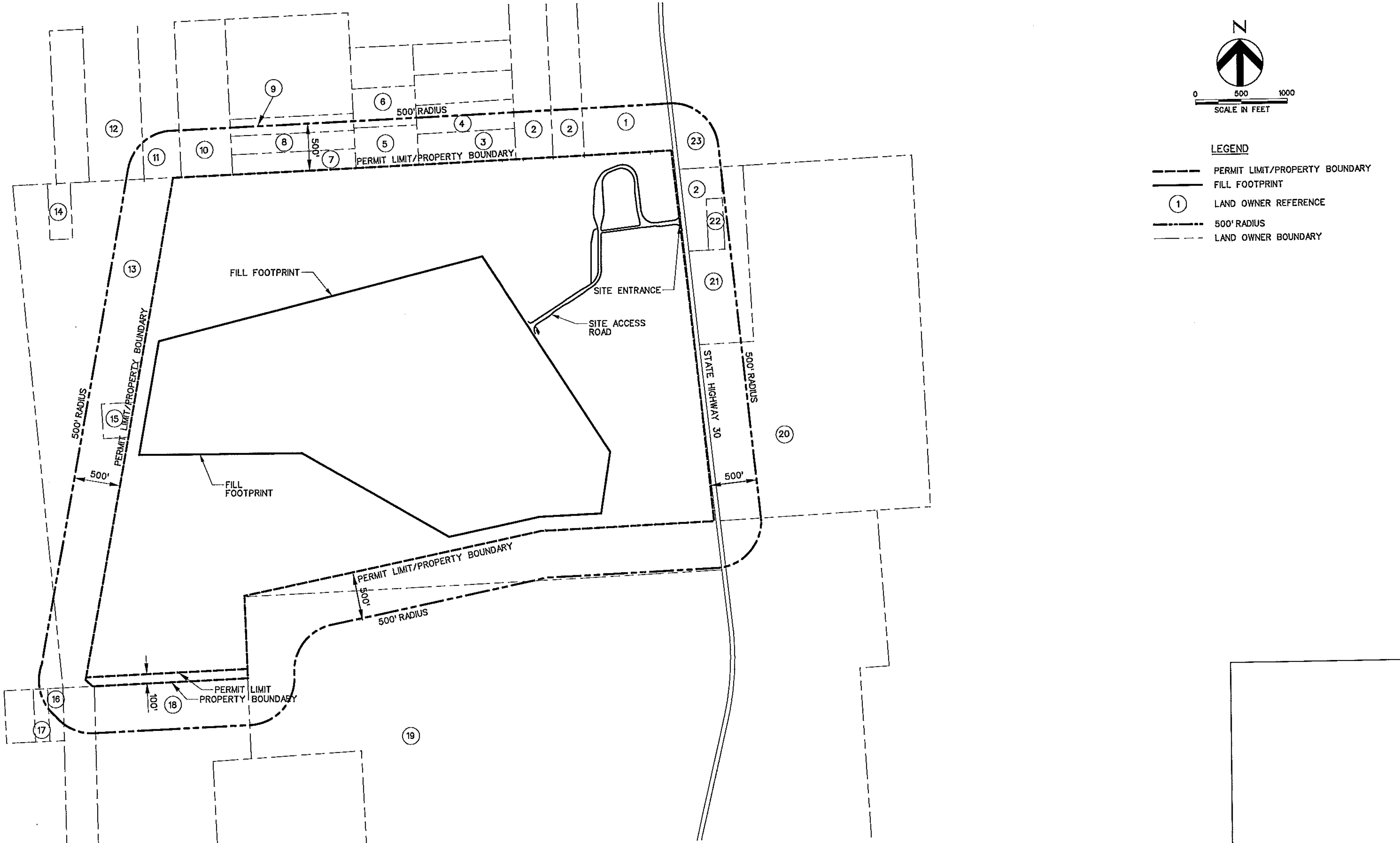
Sincerely,
HDR Engineering, Inc.

Michael W. Oden, P.E.
Project Manager

Attachments

CC: Pete Caler – BVSWMA
Samantha Best – BVSWMA

HDR Engineering, Inc.
4500 West Eldorado Parkway
Suite 3500
McKinney, TX 75070-5757
Phone: (214) 733-5900
Fax: (214) 733-5995
www.hdrinc.com



HDR

HDR Engineering, Inc.
4500 W. Eldorado Pkwy.
Suite 3500
McKinney, Texas 75070

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PERMITTING BY THE TCEQ AND IS RELEASED UNDER THE AUTHORITY OF MICHAEL W. ODEN, P.E. 67165. IT IS NOT INTENDED TO BE USED FOR BIDDING OR CONSTRUCTION.

Revision No.	Description	Date	Drwn.	Chkd.	Resp. Engr.	Proj. Mgr.
1	REVISED PERMIT LIMIT	11/07				

Project Manager: M. ODEN
Architect:
I&C/Process:
Civil: M. ODEN
Mechanical:
Electrical:
Structural:
Designed:
Drawn By: B. COX

BVSWMA
BRAZOS VALLEY SOLID WASTE MANAGEMENT AGENCY
TWIN OAKS LANDFILL
GRIMES COUNTY, TEXAS

LAND OWNERSHIP MAP

Date: NOV. 2007
Scale: 1" = 800'
Project No.: 34214
Figure No.: I.3.6
Issue: 1

DATE: 1/2/2008 TIME: 2:34:01 PM

Appendix 2

BVSWMA - TWIN OAKS LANDFILL

Adjacent Landowners List

Ref. No.	ID No.	Tract No.	Acreage	Owner	Address
1	R16698	T-19 (G)	10	HAROLD TRANT	14017 FM 244 IOLA TX 7786
2	R37720	T-19.1 (G)	100	ROBERT M. TRANT JR	PO BOX 5204 BRYA TX 77805
3	R37639	T-60.2 (R)	124	ROBERT M. TRANT JR	PO BOX 5204 BRYAN TX 77805
3	R37639	T-60.2 (R)	124	DANNY TRANT	PO BOX 5204 BRYAN TX 77805
3	R37639	T-60.2 (R)	124	SANDRA TRANT	PO BOX 5204 BRYAN TX 77805
4	R37643	T-80-2 (R)	17	HAROLD TRANT	14017 FM 244 IOLA TX 77861
4	R37723	T-80-3 (R)	17	ROBERT M. TRANT JR	PO BOX 5204 BRYAN TX 77805
4	R37723	T-80-3 (R)	17	DANNY TRANT	PO BOX 5204 BRYAN TX 77805
4	R37723	T-80-3 (R)	17	SANDRA TRANT	PO BOX 5204 BRYAN TX 77805
5	R18776	T-80 (R)	3	HAROLD TRANT	14017 FM 244 IOLA TX 77861
6	R37642	T-80-1 (R)	7	HAROLD TRANT	14017 FM 244 IOLA TX 77861
6	R37881	T-80-4 (R)	7	ROBERT M. TRANT JR	PO BOX 5204 BRYAN TX 77805
6	R37881	T-80-4 (R)	7	DANNY TRANT	PO BOX 5204 BRYAN TX 77805
6	R37881	T-80-4 (R)	7	SANDRA TRANT	PO BOX 5204 BRYAN TX 77805
6	R18776	T-80-1 (R)	3	HAROLD TRANT	14017 FM 244 IOLA TX 77861
7	R37661	T30.2 (G)	392	ROBERT M. TRANT JR	PO BOX 5204 BRYAN TX 77805
8	R16710	T-32 (G)	25	SIDDALL & WHITCOMB	PO BOX 98 D'HANIS, TX 78850
9	R37658	T-1-2 (B)	71.2	ROBERT M. TRANT JR	PO BOX 5204 BRYAN TX 77805
10	R15761	T-1 (B)	288.26	SUE ELLA TRANT REINHART	PO BOX 98 D'HANIS TX 78850
11	R37637	T-30.1 (S)	2	SUE ELLA TRANT REINHART	PO BOX 98 D'HANIS TX 78850
12	No County Records Available				
13	R18993	T-1 (S)	18.94	PAUL L LEVY	9814 WOODWIND DR HOUSTON TX 77025

Ref. No.	ID No.	Tract No.	Acreage	Owner	Address
14	R19000	T-8 (S)	22.2	PAUL L LEVY	9814 WOODWIND DR HOUSTON TX 77025
15	R19026	T-35 (S)	1	W H & MAUDIE L SCHUMACHER	102 S NOBLE R TEXAS CITY TX 77591
16	R37640	T-35.1 (S)	2	HAROLD TRANT	14017 FM 244 IOLA TX 77861
17	R19018	T-30 (S)	267.93	HAROLD TRANT	14017 FM 244 IOLA TX 77861
18	R18996	T-5 (S)	7.14	MARTHA P CANNON	903 MUNSON DR COLLEGE STATION TX 77840
18	R18996	T-5 (S)	7.14	No County Records Available	
19	R19004	T-11 (S)	7.14	RUTLEDGE PROPERTIES LTD	2229 SAN FELIPE ST HOUSTON TX 77019
19	R19004	T-11 (S)	7.14	HAROLD TRANT	14017 FM 244 IOLA TX 77861
20	R19012	T-29 (S)	7.14	HAROLD TRANT	14017 FM 244 IOLA TX 77861
20	R19013	T-29 (S)	7.14	JULIA EST HOWELL	4803 SHADYWOOD LN DALLAS TX 75209
20	R19014	T-29 (S)	7.14	MARTHA P CANNON	903 MUNSON DR COLLEGE STATION TX 77840
20	R19015	T-29 (S)	7.14	No County Records Available	
20	R019016	T-29 (S)	7.14	JOHN CALHOUN COURTNEY IV	5202 BAYOU GLEN HOUSTON TX 77056
20	R119012	T-29 (S)	7.14	WINFREE M COURTNEY	7210 S JANMAR DR DALLAS TX 75230
20	R219012	T-29 (S)	7.14	ZOLETA GUY COURTNEY	912 RAVEN COURT SOUTHLAKE TX 76902
20	R36902	T-29 (S)	7.14	RUTLEDGE PROPERTIES LTD	2229 SAN FELIPE ST HOUSTON TX 77019
21	R18995	T-4 (S)	7.14	JULIA EST HOWELL	4803 SHADYWOOD LN DALLAS TX 75209
22	R19019	T-33 (S)	7.14	MARTHA P CANNON	903 MUNSON DR COLLEGE STATION TX 77840
22	R19019	T-33 (S)	7.14	JOHN CALHOUN COURTNEY IV	5202 BAYOU GLEN HOUSTON TX 77056
22	R19019	T-33 (S)	7.14	WINFREE M COURTNEY	7210 S JANMAR DR DALLAS TX 75230
22	R19019	T-33 (S)	7.14	ZOLETA GUY COURTNEY	912 RAVEN COURT SOUTHLAKE TX 76902
22	R19019	T-33 (S)	7.14	JULIA EST HOWELL	4803 SHADYWOOD LN DALLAS TX 75209
22	R19019	T-33 (S)	7.14	RUTLEDGE PROPERTIES LTD	2229 SAN FELIPE ST HOUSTON TX 77019
22	R19019	T-33 (S)	7.14	HAROLD TRANT	14017 FM 244 IOLA TX 77861
22	R19019	T-33 (S)	7.14	No County Records Available	

Ref. No.	ID No.	Tract No.	Acreage	Owner	Address
23	R19008	T-25 (S)	7.14	MARTHA P CANNON	903 MUNSON DR COLLEGE STATION TX 77840
23	R19009	T-25 (S)	7.14	No County Records Available	
24	R19003	T-10 (S)	7.14	WINFREE M COURTNEY	7210 S JANMAR DR DALLAS TX 75230
24	R068955	T-10 (S)	7.14	JOHN CALHOUN COURTNEY IV	5202 BAYOU GLEN HOUSTON TX 77056
24	R068954	T-10 (S)	7.14	ZOLETA GUY COURTNEY	912 RAVEN COURT SOUTHLAKE TX 76902
25	R19001	T-9 (S)	6.5	HAROLD TRANT	14017 FM 244 IOLA TX 77861
26	R19007	T-24 (S)	12.5	CLARENCE CALLAWAY JR	524 COX DR IRVING TX 75062
27	R18998	T-6 (S)	12.5	M S IZARD	205 RAMPART CT LEAGUE CITY TX 77573
28	R19005	T-13 (S)	6.5	HAROLD TRANT	14017 FM 244 IOLA TX 77861
29	R19006	T-23 (S)	6.5	HAROLD TRANT	14017 FM 244 IOLA TX 77861
30	R18994	T-2 (S)	6.5	JANE BELL HENDERSON	938 ELKINS LAKE HUNTSVILLE TX 77340
31	R19011	T-28 (S)	18	HAROLD TRANT	14017 FM 244 IOLA TX 77861
32	R19025	T-34 (S)	10	MILDRED N. NORWOOD	2812 BROADMOOR BRYAN TX 77802
32	R19032	T-37 (S)	10	W J TERRELL	7855 TERRELL ST NAVASOTA TX 77868
32	R42700	T-37 (S)	10	MARY TERRELL PEDERSON	2314 ROSEFIELD DR HOUSTON TX 77080
33	No County Records Available				
34	R15648	T-3 (BW)	310	HAROLD TRANT	14017 FM 244 IOLA TX 77861
35	R18283	T-1 (M)	15	HAROLD TRANT	14017 FM 244 IOLA TX 77861
36	R18286	T-5 (M)	530.19	HAROLD TRANT	14017 FM 244 IOLA TX 77861
37	R18287	T-6 (M)	5	GRACE M. HOLIDY	PO BOX 216 LONDON AZ 72847
38	R18747	T-34 (R)	15	ERMA LEIGH	PO BOX 451 DAWSON TX 76639
39	No County Records Available				
40	R18812	T121 (R)	2.2	TMPA	PO BOX 7000 BRYAN TX 77805
41	R18726	T8-5 (R)	4	MINNIE SMALL	No County Records Available
42	R18727	T-8-7 (R)	4	R L FORREST	No County Records Available

Ref. No.	ID No.	Tract No.	Acreage	Owner	Address
43	R18738	T25 (R)	1.01	J A BOSTICK	No County Records Available
44	R18725	T-8 (R)	4.5	WILLIAM B BAY	PO BOX 486 NAVASOTA TX 77868
45	R18750	T-37 (R)	22.5	J PARKER LINDENHARD	No County Records Available
46	R18751	T-37.5 (R)	2.5	W C MOORE	No County Records Available
47	R18800	T-112 (R)	1224.33	TMPA	PO BOX 7000 BRYAN TX 77805
48	R18801	T-112.5 (R)	7.41	TMPA	PO BOX 7000 BRYAN TX 77805
48	R18802	T-112.7 (R)	3.705	A G ALLEN JR	11600 FM 3090 ANDERSON TX 77830
48	R37856	T-112.8 (R)	3.705	MAURINE ALLEN MORRIS	100 MORTIER DR APT #604 COLLEGE STATION TX 77845
49	R18735	T-20 (R)	114.82	TMPA	PO BOX 7000 BRYAN TX 77805
50	R18815	T-127 (R)	458.9	JILL MARGUERITE HYBNER	1047 KAREN AUSTIN TX 78757
51	R68893	T-60.7 (R)	32.9	HAROLD TRANT	14017 FM 244 IOLA TX 77861
52	R37339	T-127.5 (R)	14.1	JIMMIE HICKS	9533 CR 173 IOLA TX 77861
53	R16697	T-18.5 (G)	648	JIMMIE HICKS	9533 CR 173 IOLA TX 77861

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission *(If other is checked please describe in space provided)*

☐ New Permit, Registration or Authorization *(Core Data Form should be submitted with the program application)*

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☒ Other **SOP Update**

2. Attachments **Describe Any Attachments:** *(ex. Title V Application, Waste Transporter Application, etc.)*

☒ Yes ☐ No — MSW Site Operating Plan permit modification

3. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	4. Regulated Entity Reference Number *(if issued)*
CN 600340194		RN 100630458

SECTION II: Customer Information

5. Effective Date for Customer Information Updates (mm/dd/yyyy) 11/19/2007

6. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check only one of the following:*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other: _____

7. General Customer Information

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State) ☒ No Change**

If "No Change" and Section I is complete, skip to Section III – Regulated Entity Information.

8. Type of Customer:			
☐ City Government	☐ County Government	☐ Federal Government	☐ State Government
☐ Other Government	☐ General Partnership	☐ Limited Partnership	☐ Other:

9. Customer Legal Name *(If an individual, print last name first: ex: Doe, John)* | *If new Customer, enter previous Customer below* | *End Date:*

10. Mailing Address:

City	State	ZIP	ZIP + 4

11. Country Mailing Information *(if outside USA)* | **12. E-Mail Address** *(if applicable)*

13. Telephone Number ( ) - | **14. Extension or Code** | **15. Fax Number** *(if applicable)* ( ) -

16. Federal Tax ID *(9 digits)*	17. TX State Franchise Tax ID *(11 digits)*	18. DUNS Number *(if applicable)*	19. TX SOS Filing Number *(if applicable)*

20. Number of Employees ☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

21. Independently Owned and Operated? ☐ Yes ☐ No

SECTION III: Regulated Entity Information

22. General Regulated Entity Information *(If 'New Regulated Entity" is selected below this form should be accompanied by a permit application)*

☐ New Regulated Entity ☒ Update to Regulated Entity Name ☐ Update to Regulated Entity Information ☐ No Change** *(See below)*

If "NO CHANGE" is checked and Section I is complete, skip to Section IV, Preparer Information.

23. Regulated Entity Name *(name of the site where the regulated action is taking place)*

Twin Oaks Landfill

24. Street Address of the Regulated Entity: *(No P.O. Boxes)*	4 miles west of Carlos, Texas, 12.5 miles east of College Station on SH 30							
	City	College Station	State	TX	ZIP		ZIP + 4	
25. Mailing Address:	P.O. Box 9960							
	City	College Station	State	TX	ZIP	77842	ZIP + 4	9960

26. E-Mail Address:			
27. Telephone Number	28. Extension or Code	29. Fax Number *(if applicable)*	
(979) 764-3806		(979) 764-3534	
30. Primary SIC Code (4 digits)	31. Secondary SIC Code (4 digits)	32. Primary NAICS Code (5 or 6 digits)	33. Secondary NAICS Code (5 or 6 digits)
4953	N/A	N/A	N/A

34. What is the Primary Business of this entity? *(Please do not repeat the SIC or NAICS description.)*

Municipal Solid Waste Management

Questions 34 – 37 address geographic location. Please refer to the Instructions for applicability.

35. Description to Physical Location:	South of SH-30, appx. 12.5 miles east of College Station, TX, 4 miles west of Carlos, TX				
36. Nearest City		County		State	Nearest ZIP Code
Carlos		Grimes		TX	77830
37. Latitude (N) In Decimal:	30.609	38. Longitude (W) In Decimal:	96.15		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	36	13.36	96	09	14.86

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form or the updates may not be made. If your Program is not listed, check other and write it in. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Industrial Hazardous Waste	☒ Municipal Solid Waste
				2292
☐ New Source Review – Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS	☐ Sludge
☐ Stormwater	☐ Title V – Air	☐ Tires	☐ Used Oil	☐ Utilities
☐ Voluntary Cleanup	☐ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

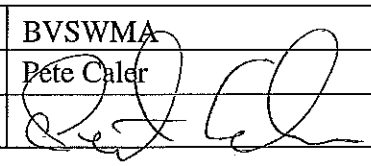
SECTION IV: Preparer Information

40. Name:	Pete Caler	41. Title:	Director
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(979) 764-3806		(979) 764-3534	pcaler@cstx.gov

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 9 and/or as required for the updates to the ID numbers identified in field 39.

(See the Core Data Form instructions for more information on who should sign this form.)

Company:	BVSWMA	Job Title:	Director
Name *(In Print)*:	Pete Caler	Phone:	(979) 764-3806
Signature:		Date:	21 DEC 07

Texas Commission on Environmental Quality

Permit or Registration Application for Municipal Solid Waste Facility

Part I

A. General Information

Facility Name:	Twin Oaks Landfill			
Physical or Street Address (if available):	12.5 miles east of College Station on SH 30, 4 miles west of Carlos			
(City) (County)(State)(Zip Code):	College Station	Grimes	TX	
(Area Code) Telephone Number:	(979) 764-3806			
Charter Number:				

If the application is submitted on behalf of a corporation, provide the Charter Number as recorded with the Office of the Secretary of State for Texas.

Operator Name[1]:	Brazos Valley Solid Waste Management Agency			
Mailing Address:	P.O. Box 9960			
(City) (County)(State)(Zip Code):	College Station	Brazos	TX	77842
(Area Code) Telephone Number:	(979)764-3806			
(Area Code) FAX Number:	(979)764-3534			
Charter Number:	N/A			

If the permittee is the same as the operator, type "Same as Operator".

Permittee Name:	Same as Operator			
Physical or Street Address (if available):				
(City) (County)(State)(Zip Code):			TX	
(Area Code) Telephone Number:				
Charter Number:				

If the application is submitted by a corporation or by a person residing out of state, the applicant must register an Agent in Service or Agent of Service with the Texas Secretary of State's office and provide a complete mailing address for the agent. The agent must be a Texas resident.

Agent Name:	N/A			
Mailing Address:				
(City) (County)(State)(Zip Code):				
(Area Code) Telephone Number:				
(Area Code) FAX Number:				

[1] The operator has the duty to submit an application if the facility is owned by one person and operated by another [30 TAC 305.43(b)]. The permit will specify the operator and the owner who is listed on this application [Section 361.087 Texas Health and Safety Code].

Application Type:

☐	Permit	☐	Major Amendment	☐	Minor Amendment
☐	Registration	☒	Modification	☐	Temporary Authorization
		☒	w/Public Notice		
		☐	w/out Public Notice	☐	Notice of Deficiency Response

Facility Classification:

☒	Type I	☐	Type IV	☐	Type V	☐	Type IX
☐	Type I AE	☐	Type IV AE	☐	Type VI		

Activities covered by this application (check all that apply):

☐	Storage	☐	Processing	☐	Disposal

Waste management units covered by this application (check all that apply):

☐	Containers	☐	Tanks	☐	Surface Impoundments	☒	Landfills
☐	Incinerators	☐	Composting	☐	Type IV Demonstration Unit	☐	Type IX Energy/Material Recovery
☐	Other (Specify)			☐	Other (Specify)		
☐	Other (Specify)			☐	Other (Specify)		

Is this submittal part of a Consolidated Permit Processing request, in accordance with 30 TAC Chapter 33?

☐ Yes ☒ No

If yes, state the other TCEQ program authorizations requested.

Provide a brief description of the portion of the facility covered by this application. For amendments, modifications, and temporary authorizations, provide a brief description of the exact changes to the permit or registration conditions and supporting documents referenced by the permit or registration. Also, provide an explanation of why the amendment, modification, or temporary authorization is requested.

Site Operating Plan modification in anticipation of site opening

Does the application contain confidential Material? ☐ Yes ☒ No

If yes, cross-reference the confidential material *throughout the application* and submit as a separate document or binder conspicuously marked "CONFIDENTIAL."

Bilingual Notice Instructions

For certain permit applications, public notice in an alternate language is required. If an elementary school or middle school nearest to the facility offers a bilingual program, notice may be required to be published in an alternative language. The Texas Education Code, upon which the TCEQ alternative language notice requirements are based, trigger a bilingual education program to apply to an entire school district should the requisite alternative language speaking student population exist. However, there may not exist any bilingual-speaking students at a particular school within a district which is required to offer the bilingual education program. For this reason, the requirement to publish notice in an alternative language is triggered if the nearest elementary or middle school, as a part of a larger school district, is required to

make a bilingual education program available to qualifying students and either the school has students enrolled at such a program on-site, or has students who attend such a program at another location in satisfaction of the school's obligation to provide such a program as a member of a triggered district.

If it is determined that a bilingual notice is required, the applicant is responsible for ensuring that the publication in the alternate language is complete and accurate in that language. Electronic versions of the Spanish template examples are available from the TCEQ to help the applicant complete the publication in the alternative language.

Bilingual Notice Application Form:

Bilingual notice confirmation for this application:

1. Is a bilingual program required by the Texas Education Code in the school district where the facility is located? ☐ YES ☒ NO

   (If NO, alternative language notice publication not required)

2. If YES to question 1, are students enrolled in a bilingual education program at either the elementary school or the middle school nearest to the facility? ☐ YES ☐ NO

(IF YES to questions 1 and 2, alternative language publication is required; If NO to question 2, then consider the next question)

3. If YES to question 1, are there students enrolled at either the elementary school or the middle school nearest to the facility who attend a bilingual education program at another location? ☐ YES ☐ NO

(If Yes to questions 1 and 3, alternative language publication is required; If NO to question 3, then consider the next question)

4. If YES to question 1, would either the elementary school or the middle school nearest to the facility be required to provide a bilingual education program but for the fact that it secured a waiver from this requirement, as available under 19 TAC §89.1205(g)? ☐ YES ☐ NO

(If Yes to questions 1 and 4, alternative language publication is required; If NO to question 4, alternative language notice publication not required)

If a bilingual education program(s) is provided by either the elementary school or the middle school nearest to the facility, which language(s) is required by the bilingual program?

Note: Applicants for new permits and major amendments must make a copy of the administratively complete application available at a public in the county where the facility is, or will be, located for review and copying by the public.

Public place where administratively complete permit application will be located.				
Public Place (e.g., public library, county court house, city hall, etc.):	City of College Station, BVSWMA office			
Mailing Address:	P.O. Box 9960			
(City) (County)(State)(Zip Code):	College Station	Brazos	TX	77842
(Area Code) Telephone Number:	(979)764-3806			

Except for Type I AE and Type IV AE landfill facilities, for permits, registrations, amendments, and modifications requiring public notice, provide the URL address of a publicly accessible internet web site where the application and all revisions to that application will be posted.
http://www.cstx.gov/doc/Twin_Oaks_SOP_mod_public_notice.pdf

B. Facility Location

Local Government Jurisdiction:	N/A
Within City Limits of:	N/A
Within Extraterritorial Jurisdiction of City of:	N/A

Is the proposed municipal or industrial solid waste disposal or processing facility located in an area in which the governing body of the municipality or county has prohibited the disposal or processing of municipal or industrial solid waste? (If YES, provide a copy of the ordinance or order):

☐ YES ☒ NO

Provide a description of the location of the facility with respect to known or easily identifiable landmarks.
South of SH-30 in Grimes county, 12.5 miles east of College Station, TX, 4 miles east of Carlos, TX

Detail the access routes from the nearest United States or state highway to the facility.
South of SH-30, 12.5 miles east from College Station, TX

Provide the latitudinal and longitudinal geographic coordinates of the facility.

Latitude	**N 30° 36' 13.36"**
Longitude	**W 96° 09' 14.86"**
Elevation (above msl)	238.14 ft

Is the facility within the Coastal Management Program boundary?	☐ Yes ☒ No

Texas Department of Transportation District Location:

TXDOT District Name & Number:	Bryan - District #17			
District Engineer's Name:	Bryan Alan Wood			
Street or P. O. Box:	1300 North Texas Avenue			
(City) (County)(State)(Zip Code):	Bryan	Brazos	TX	75024
(Area Code) Telephone Number:	(979) 778-9600			
(Area Code) FAX Number:	(979) 778-9709			

The local governmental authority or agency responsible for road maintenance:

Contact Person's Name:	Maurice Maness			
Street or P. O. Box:	1821 SH 105			
(City) (County)(State)(Zip Code):	Brenham	Grimes	TX	77833
(Area Code) Telephone Number:	(979) 836-9359			
(Area Code) FAX Number:	(979) 836-7673			

State Representative:

District Number:	15
State Representative's Name:	Rob Eissler
District Office Address:	P.O. Box 9494

(City) (County)(State)(Zip Code):	The Woodlands	Montgomery	TX	77387
(Area Code) Telephone Number:	(281) 681-9955			
(Area Code) FAX Number:	(281) 292-6489			

State Senator:

District Number:	5			
State Senator's Name:	Steve Ogden			
District Office Address:	3740 Copperfield Dr., Suite 103			
(City) (County)(State)(Zip Code):	Bryan	Brazos	TX	77802
(Area Code) Telephone Number:	(979) 776-0521			
(Area Code) FAX Number:	(979) 776-8951			

Council of Government (COG) Information:

COG Name:	Brazos Valley Council of Governments			
COG Representative's Name:	Tom Wilkinson, Jr.			
COG Representative's Title:	Executive Director			
Street or P. O. Box:	P.O. Drawer 4128			
(City) (County)(State)(Zip Code):	Bryan	Brazos	TX	77803
(Area Code) Telephone Number:	(979) 595-2800			
(Area Code) FAX Number:	(979) 595-2810			

River Basin Information:

River Authority:	Brazos River Authority			
Contact Person's Name:	Phil Ford			
Watershed Sub-Basin Name:	Navasota			
Street or P. O. Box:	P.O. Box 7555			
(City) (County)(State)(Zip Code):	Waco	McLennan	TX	76714
(Area Code) Telephone Number:	(254) 761-3100			
(Area Code) FAX Number:	(254) 761-3207			

This site is located in the following District of the U.S. Army Corps of Engineers:			
☐ Albuquerque, NM	☒ Ft. Worth, TX	☐ Galveston, TX	☐ Tulsa, OK

C. Maps

General

For permits, registrations, and amendments only, submit a topographic map, ownership map, county highway map, or a map prepared by a registered professional engineer or a registered surveyor which shows the facility and each of its intake and discharge structures and any other structure or location regarding the regulated facility and associated activities. Maps must be of material suitable for a permanent record, and shall be on sheets 8-1/2 inches by 14 inches or folded to that size, and shall be on a scale of not less than one inch equals one mile. The map shall depict the approximate boundaries of

the tract of land owned or to be used by the applicant and shall extend at least one mile beyond the tract boundaries sufficient to show the following:

each well, spring, and surface water body or other water in the state within the map area;

the general character of the areas adjacent to the facility, including public roads, towns and the nature of development of adjacent lands such as residential, commercial, agricultural, recreational, undeveloped, etc;

the location of any waste disposal activities conducted on the tract not included in the application; and

the ownership of tracts of land adjacent to the facility and within a reasonable distance from the proposed point or points of discharge, deposit, injection, or other place of disposal or activity.

General location maps
For permits, registrations, and amendments only, submit at least one general location map at a scale of one-half inch equals one mile. This map shall be all or a portion of a county map prepared by Texas Department of Transportation (TxDOT). If TxDOT publishes more detailed maps of the proposed facility area, the more detailed maps shall also be included in Part I. Use the latest revision of all maps.

Land ownership map
Provide a map that locates the property owned by adjacent and potentially affected landowners. The maps should show all property ownership within 500 feet of the facility, on-site facility easement holders, and all mineral interest ownership under the facility.

Landowners list
Provide the adjacent and potentially affected landowners' list, keyed to the land ownership map with each property owner's name and mailing address. The list shall include all property owners within 500 feet of the facility, easement holders, and all mineral interest ownership under the facility. Provide the property, easement holders', and mineral interest owners' names and mailing addresses derived from the real property appraisal records as listed on the date that the application is filed. Provide the list in electronic form, as well.

D. Property owner information

For permits, registrations, amendments, and modifications that change the legal description, a change in owner, or a change in operator only, provide the following:

(1) the legal description of the facility;

(A) the abstract number as maintained by the Texas General Land Office for the surveyed tract of land;

(B) the legal description of the property and the county, book, and page number or other generally accepted identifying reference of the current ownership record;

(C) for property that is platted, the county, book, and page number or other generally accepted identifying reference of the final plat record that includes the acreage encompassed in the application and a copy of the final plat, in addition to a written legal description;

(D) a boundary metes and bounds description of the facility signed and sealed by a registered professional land surveyor;

(E) on-site easements at the facility, and

(F) drawings of the boundary metes and bounds description; and

(2) a property owner affidavit signed by the owner.

E. Legal authority

Provide verification of the legal status of the owner and operator, such as a one-page certificate of incorporation issued by the secretary of state. List all persons having over a 20% ownership in the proposed facility.

Indicate Ownership status of the facility:									
☐	Private	☐	Corporation	☐	Partnership	☐	Proprietorship	☐	Non-Profit Organization
☐	Public	☐	Federal	☐	Military	☐	State	☐	Regional
☐	County	☒	Municipal	☐	Other (Specify)				

Does the operator own the facility units and the facility property?	☒ Yes	☐ No

If "No," for permits, registrations, amendments, and modifications that changes the legal description, a change in owner, or a change in operators submit a copy of the lease for the use of or the option to buy the facility units or facility property, as appropriate, and identify:				
Owner Name:				
Street or P. O. Box:				
(City) (County)(State)(Zip Code):				
(Area Code) Telephone Number:				
(Area Code) FAX Number:				
Charter Number:				

F. Evidence of competency

For permits, registrations, amendments, and modifications that change the legal description, a change in owner, or a change in operators submit a list of all Texas solid waste sites that the owner and operator have owned or operated within the last ten years.				
Site Name	Site Type	Permit/Reg. No.	County	Dates of Operation
N/A				

Submit a list of all solid waste sites in all states, territories, or countries in which the owner and operator have a direct financial interest.			
Site Name	Location	Dates of Operation	Regulatory Agency (Name & Address)
Rock Prairie Road Landfill	College Station, TX	1982-Present	TCEQ, P.O. Box 13087, Austin, Texas 78711-3087

A licensed solid waste facility supervisor, as defined in 30 TAC Chapter 30, Occupational Licenses and Registrations will be employed before commencing facility operation.

Provide the names of the principals and supervisors of the owner's and operator's organization, together with previous affiliations with other organizations engaged in solid waste activities.

Name	Previous Affiliation	Other Organization
N/A		

For landfill permit applications only, evidence of competency to operate the facility shall also include landfilling and earthmoving experience if applicable, and other pertinent experience, or licenses as described in 30 TAC Chapter 30 possessed by key personnel. The number and size of each type of equipment to be dedicated to facility operation will be specified in greater detail on Part IV of the application within the site operating plan.

Landfilling/Earthmoving Equipment Types	Personnel Experience or Licenses
N/A	

For mobile liquid waste processing units, submit a list of all solid waste, liquid waste, or mobile waste units that the owner and operator have owned or operated within the past five years. Submit a list of any final enforcement orders, court judgments, consent decrees, and criminal convictions of this state and the federal government within the last five years relating to compliance with applicable legal requirements relating to the handling of solid or liquid waste under the jurisdiction of the commission or the United States Environmental Protection Agency. Applicable legal requirement means an environmental law, regulation, permit, order, consent decree, or other requirement.

Solid waste, liquid waste, or mobile waste units owned or operated within past 5 years	Texas and federal final enforcement orders, court judgments, consent decrees, and criminal convictions
N/A	

G. Appointments

Provide documentation that the person signing the application meets the requirements of 30 TAC §305.44, Signatories to Applications. If the authority has been delegated, provide a copy of the document issued by the governing body of the owner or operator authorizing the person that signed the application to act as agent for the owner or operator.

H. Application Fees

For a new permit, registration, amendment, modification, or temporary authorization, submit a $150 application fee.

For authorization to construct an enclosed structure over an old, closed municipal solid waste landfill in accordance with 30 TAC 330 Subchapter T, submit a $2,500 application fee.

If paying by check, send payment to:

Texas Commission on Environmental Quality
Financial Administration Division, MC 214
P. O. Box 13087
Austin, Texas 78711-3087

Payment maybe made online using TCEQ e-pay at www.tceq.state.tx.us/e-services/	
E-pay confirmation number	

PROPERTY OWNER AFFIDAVIT

"I, PETE CALER,
(property owner)
acknowledge that the State of Texas may hold me either jointly or severally responsible for the operation, maintenance, and closure and post-closure care of the facility. For a facility where waste will remain after closure, I acknowledge that I have a responsibility to file with the county deed records an affidavit to the public advising that the land will be used for a solid waste facility prior to the time that the facility actually begins operating as a municipal solid waste landfill facility, and to file a final recording upon completion of disposal operations and closure of the landfill units in accordance with Title 30 Texas Administrative Code §330.19, Deed Recordation. I further acknowledge that I or the operator and the State of Texas shall have access to the property during the active life and post-closure care period, if required, after closure for the purpose of inspection and maintenance."

(Owner signature)

21 DEC 07
(Date)

Signature Page

I, PETE CALER (Operator), BUSUMA EXECUTIVE DIRECTOR (Title)

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____ Date: 21 DEC 07

TO BE COMPLETED BY THE OPERATOR IF THE APPLICATION IS SIGNED BY AN AUTHORIZED REPRESENTATIVE FOR THE OPERATOR

I, _____ (Print or Type Operator Name), hereby designate _____ (Print or Type Representative Name)

as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and/or appear for me at any hearing or before the Texas Commission on Environmental Quality in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my authorized representative in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.

_____
Printed or Typed Name of Operator or Principal Executive Officer

_____
Signature

SUBSCRIBED AND SWORN to before me by the said Pete Caler

On this 21st day of December, 2007

My commission expires on the 11th day of February, 2011

Sheila Davis McQueen
Notary Public, State of Texas
My Commission Expires
Feb. 16, 2011

Sheila McQueen
Notary Public in and for
Brazos County, Texas

(Note: Application Must Bear Signature & Seal of Notary Public)

January 3, 2008

TCEQ Cashiers Office
P. O. Box 13088
Austin, TX 78711-3088

Re: Municipal Solid Waste (MSW) – Grimes County
Twin Oaks Landfill – MSW Permit No. 2292
Permit Modification – Site Operating Plan

Dear TCEQ Cashier:

Please find the attached check # 374585 for $150.00 for the permit modification application listed above. If you have any questions, please feel free to contact the undersigned at (214) 733-5911.

Sincerely,

Michael W. Oden

Michael Oden, P.E.
Project Manager

Attachment

cc: Samantha Best – BVSWMA
Pete Caler – BVSWMA

HDR Engineering, Inc.

4500 West Eldorado Parkway
Suite 3500
McKinney, TX 75070-5757

Phone: (214) 733-5900
Fax: (214) 733-5995
www.hdrinc.com

46276

FIRST AMERICAN BANK
UNIVERSITY BRANCH
P.O. BOX 2680
COLLEGE STATION, TX 77840

TO THE ORDER OF

T C E Q (WASTE PERMITS DIVISION)
P O BOX 13087, MC 124
ATTN: DR. RICHARD CARMICHAEL
AUSTIN TX 78711-3087

CLEARING ACCOUNT
11/20/2007
No. 374585

INVOICE NUMBER	INVOICE DATE	PURCHASE ORDER NUMBER	INVOICE AMOUNT	DESCRIPTION
111607	11/16/2007	Z01215	150.00	PERMIT MODIFICATION APPLI

$******150.00

City of College Station
P.O. Box 9973, College Station, Texas 77842-9973
(979) 764-3500
FAX: (979) 764-3571

CLEARING ACCOUNT
11/20/2007
No. 374585

INVOICE NUMBER	INVOICE DATE	PURCHASE ORDER NUMBER	INVOICE AMOUNT	DESCRIPTION
111607	11/16/2007	Z01215	150.00	PERMIT MODIFICATION APPLI

$******150.00

PLEASE DETACH BEFORE DEPOSITING

ORIGINAL CHECK IS PRINTED ON CHEMICAL REACTIVE PAPER WHICH CONTAINS A WATERMARK.

CLEARING ACCOUNT
CITY OF COLLEGE STATION
P.O. BOX 9973
COLLEGE STATION, TEXAS 77842-9973
(979) 764-3500

CITIBANK
1111 BRIARCREST DRIVE
BRYAN, TX 77802

No. 374585

FEDERAL TAX IDENTIFICATION NO.	DATE	CHECK NUMBER	NET AMOUNT
74-6000534	11/20/2007	374585	$********150.00

PAY ONE HUNDRED FIFTY AND 00/100 DOLLARS ********** VOID AFTER 90 DAYS

TO THE ORDER OF
T C E Q (WASTE PERMITS DIVISION)
P O BOX 13087, MC 124
ATTN: DR. RICHARD CARMICHAEL
AUSTIN TX 78711-3087

BY Glenn Brown
Glenn Brown, City Manager

BY Jeffrey N. Kersten
Jeffrey N. Kersten, Chief Financial Officer

VOID VOID VOID VOID VOID VOID

⑈374585⑈ ⑆113193532⑆ ⑈005 641 3⑈

Part IV-1
Site Operating Plan

BVSWMA Twin Oaks Landfill
(Formerly SH-30 Landfill)

Brazos Valley Solid Waste Management Agency

Permit No. MSW-2292

Grimes County, Texas

Permit Issued: January 12, 2005

January 2008

Revision 3

1-3-2008

This document is released for the purpose of review only under the authority of Michael W. Oden, P.E. # 67165. It is not to be used for bidding or construction.

For pages 1 thru 11

BVSWMA Twin Oaks Landfill
Part IV-1
Site Operating Plan

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1-3-2008

STATE OF TEXAS
MICHAEL W. ODEN
67165
REGISTERED PROFESSIONAL ENGINEER

This document is released for the purpose of review only under the authority of Michael W. Oden, P.E. # 67165. It is not to be used for bidding or construction.

For pages 1 thru 47

1.0 INTRODUCTION

The Twin Oaks Landfill is a Type I municipal solid waste management facility located approximately 12.5 miles east from the center of the City of College Station, Texas, directly south of SH 30 in Grimes County, and approximately 4 miles west of the City Limits of Carlos, Texas. The Brazos Valley Solid Waste Management Agency (BVSWMA), provides solid waste management services for the City of Bryan, the City of College Station, Texas A&M University, Brazos County, Grimes County, and communities in 17 surrounding counties. BVSWMA will operate and maintain this landfill.

This Site Operating Plan (SOP) is intended to provide operational guidance to site management and operating personnel for the day-to-day operation of the facility. It facilitates site operation in compliance with applicable Texas Commission on Environmental Quality (TCEQ) regulations and current standards of practice in the industry, compatible with the design of the facility. This SOP serves as a general reference source to assist in the development of training programs for BVSWMA personnel. This SOP, the permit, and the current TCEQ Municipal Solid Waste Management Regulations (MSWMR) will be kept onsite during the facility's active life and throughout the post-closure care period.

Included in the permit application is Part IV-2 Compost Facility – Site Operating Plan. This part defines the operating requirements for the compost facility as required in TAC 332. BVSWMA will notify the regional and Austin offices of TCEQ within two years prior to constructing and operating a compost facility.

This facility includes a solid waste disposal area. Found on the site will be the landfill office, scales and scale house, white goods storage area, citizens' convenience area, oil and filter recycling area and an equipment maintenance building.

2.0 PERSONNEL RESPONSIBILITIES AND TRAINING 30 TAC §330.127(1)

The organizational chart for the site is provided as Figure IV.1. This chart lists the staff structure currently employed at the BVSWMA Rock Prairie Road Landfill ("RPRLF"). Upon closure of that facility, those people will be transferred to the Twin Oaks Landfill to assume the same roles. Responsibility for overall facility management rests with the BVSWMA. Responsibility for the facility operation rests with the Executive Director of the BVSWMA.

The Landfill Superintendent will administer the facility's Site Development Plan (SDP) and this Site Operating Plan (SOP). The Landfill Superintendent is responsible for providing adequate personnel and equipment in order to operate the facility in accordance with the SDP and SOP, the MSWMR, and applicable technical guides. The Landfill Superintendent is responsible for assuring that all provisions of the Soil and Liner Quality Control Plan (SLQCP – See Part III, Attachment 10) are carried out on a continual basis. The Landfill Superintendent also serves as an emergency coordinator during all site emergencies, and is responsible for administration of the Site Health and Safety Plan, which is not a part of the SOP. In addition, the Landfill Superintendent will hold a Class C license, as defined in 30 TAC §30.210(a)(1) or be able to obtain one within twelve months of hire. The Landfill Superintendent will also receive training in Waste Screening and OSHA Hazmat 40 Hour.

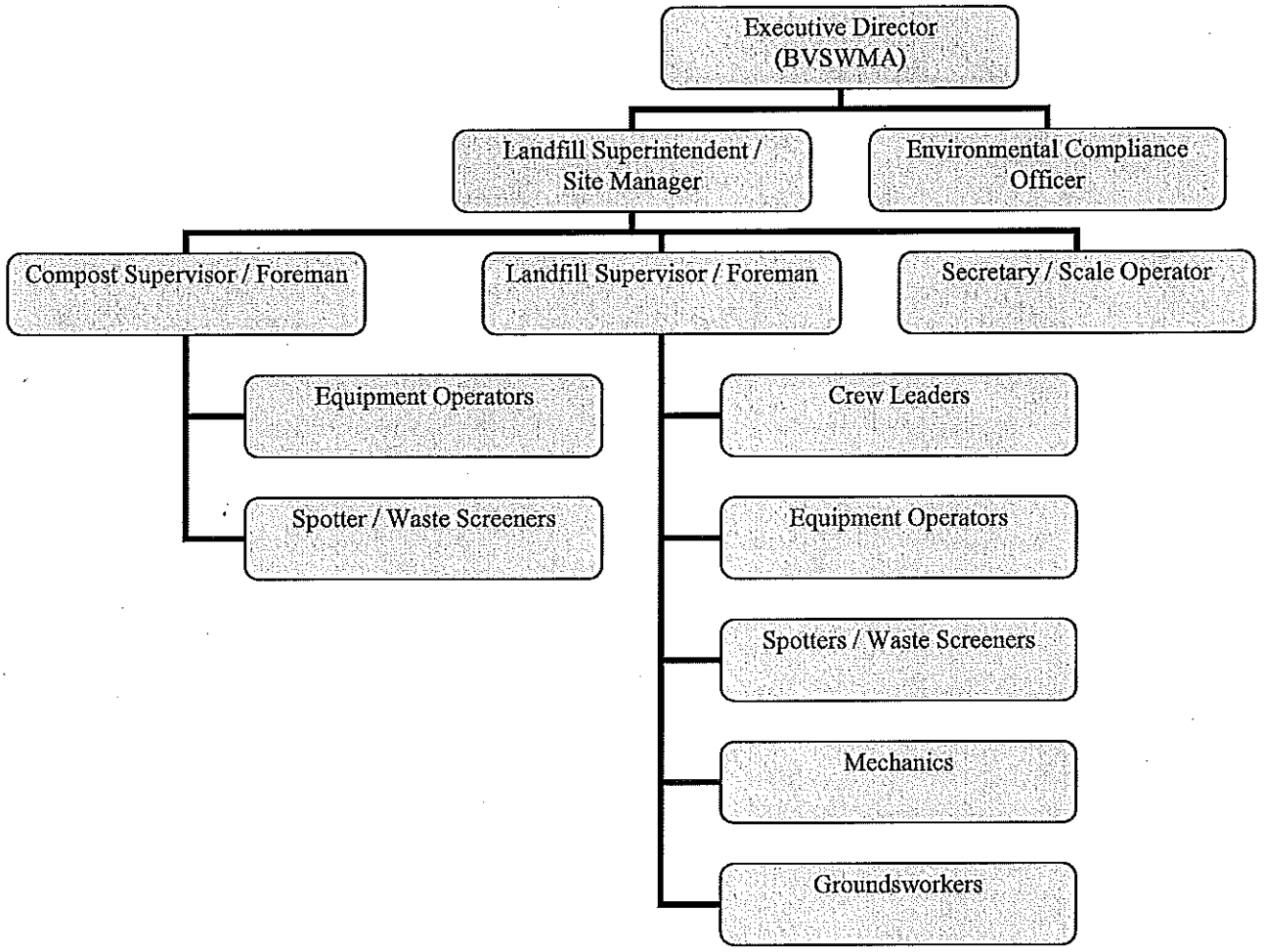
The Landfill Supervisor/Foreman reports to the Landfill Superintendent, and will monitor the landfill on a daily basis. This person may also serve and administer the duties of the Landfill Superintendent in his/her absence. Either the Landfill Superintendent or the Landfill Foreman, or their qualified designee (licensed in accordance with Subchapter F of 30 TAC §30) will be onsite when the site is in operation. While the Landfill Superintendent is responsible for on-going compliance with approved plans, regulations, and guidelines, the Landfill Foreman is responsible for the day-to-day operations and coordinates activities to achieve compliance with the SDP, SLQCP, MSWMR and applicable guidelines. This includes litter control, odor control, dust control, maintenance of roads, fences, and drainage appurtenances, as well as compaction and covering of waste. The Foreman is also responsible for determining the appropriate training for specific landfill personnel. Each employee undergoes an annual review and this review will identify the anticipated training levels for the coming year. A written description of the type and

amount of both introductory and continuing training that will be given to each person filling a position will be provided. The Landfill Supervisor will hold a Class C license, as defined in 30 TAC 30.210(a)(1) or be able to obtain one within twelve months of hire. The Landfill Supervisor will also receive training in Waste Screening, Hazmat 16 Hour, and will have a CFC Extraction Certification.

The Environmental Compliance Officer (ECO) works with the Landfill Superintendent and reports to the Executive Director of BVSWMA. The Compliance Officer and the Landfill Superintendent are responsible for maintaining compliance with State and Federal regulations. In particular they administer various environmental programs: waste screening, recycling, special waste programs, and landfill gas and groundwater monitoring systems. They also administer the Groundwater Sampling and Analysis Plan and the Stormwater Pollution Prevention Plan, conduct new source performance standard testing and leachate head measurements, and perform environmental inspections of the landfill. The ECO will hold a Class C license or higher, as defined in 30 TAC 30.210(a)(3), or be able to obtain one within twelve months of hire. The ECO will also receive training in Waste Screening.

All personnel are responsible for adherence to the requirements of the Site Health and Safety Plan (SHSP) in all operations onsite. The SHSP is not a part of this SOP.

Figure IV.1: BVSWMA Organizational Chart



In addition to the supervisory staff, the BVSWMA will have other permanent staff employed at the landfill. These employees are listed in the bottom line of the organizational chart in Figure IV.1. The number of these employees will vary with the quantity of waste received. During the transition phase from the Rock Prairie Road Landfill, the quantity of waste accepted is likely to be less than the amount of waste after RPRLF closes. Therefore, equipment and equipment operators' needs may be reduced during this period. Additional site personnel or laborers may be employed from time-to-time to perform functions such as general maintenance, construction, litter abatement, and general site clean up.

The Secretary/Scale Operator, stationed at the scales, will be primarily responsible for maintaining complete and accurate records of vehicles and solid waste entering the facility, to measure or weigh vehicles, and to collect waste disposal fees. The Secretary/Scale Operator will be trained to visually check for unauthorized wastes at the gate. Vehicles delivering solid waste to the site will stop at one of the scales and allow the loaded weight to be recorded. If the vehicle tare weight is not available, the customer will need to stop again on the scales to determine the empty weight. The difference will be the weight of waste deposited, and the customer will be charged accordingly. Should the vehicle tare weight be known, the customer will not have to cross the scales when exiting and can use the bypass lane. The Secretary/Scale Operator will be instructed in waste screening or hold a Class C license as defined in 30 TAC 30.210(a)(3), or be able to obtain the license within twelve months of hire. The Secretary/Scale Operator will also be trained in Waste Screening.

Crew Leaders and Equipment Operators are primarily responsible for operating heavy equipment while placing, compacting, and covering solid waste, and excavating, transporting, and compacting soil. They are responsible for the safe operation of site equipment. As the personnel most closely involved with the actual landfill operation, these employees also share responsibility with Spotters/Waste Screeners and other site personnel for identifying any potentially dangerous condition as well as careless or improper actions on the part of non-employees and other persons while on the premises. Equipment Operators monitor and direct unloading vehicles and are responsible for maintenance, construction, litter abatement, and general site clean-up. Equipment Operators do not allow large appliances or other heavy items to be landfilled within the first five feet above the bottom and sideslope liner to reduce the potential of puncturing the liner. The Equipment Operators will intervene as necessary to prevent accidents, and will report unsafe conditions immediately to the Landfill Superintendent or Landfill Supervisor. Crew Leaders will be trained in waste screening and Hazmat 16 Hour, and will have a Class C license as defined in 30 TAC 30.210(a)(3), or be able to obtain the license within twelve months of hire. Equipment Operators will be trained in Waste Screening. Crew leaders will perform duties of the Foreman when the Foreman is not available.

Spotters/Waste Screeners operating at the working face have primary responsibility for monitoring and directing unloading vehicles. Personnel performing these duties will be instructed in safety requirements regarding heavy equipment and vehicles, the types of prohibited wastes, and procedures to take if unacceptable waste is suspected. They, along with Groundsworkers, are also responsible for maintenance, construction, litter abatement, and general site clean up. Spotters/Waste Screeners and Groundsworkers will receive training in Waste Screening.

Mechanics are responsible for performing scheduled and unscheduled maintenance on heavy equipment. Heavy equipment maintenance may be provided by BVSWMA staff or under outside contract. Mechanics will obtain a CFC Extraction Certification.

Table IV.2 lists the typical training for various supervisory and operations positions by site personnel at the Landfill. Certifications and training of staff employed on-site may vary as operational needs and staffing change. All landfill personnel receive appropriate training provided by the BVSWMA or the City of College Station regarding BVSWMA policies. All landfill supervisory personnel are encouraged to receive training in Solid Waste Management appropriate for the A, B, and C certificates offered by TCEQ. At least one Landfill Supervisory personnel will have a Class C certificate. Records will be kept regarding the maintenance of personnel operating licenses.

Table IV.1 is a list of landfill positions, and the minimum number of employees at each position required to operate the facility. Personnel will be cross-trained to enable continued operation in the event of employee absences or vacancies.

Table IV.1: Minimum Staff Required per Acceptance Rate

Position	1-100 tpd	101-1000 tpd	1001-2000 tpd	2001–3000 tpd	3001-4000 tpd
Landfill Superintendent	-	1	1	1	1
Landfill Foreman	-	1	1	1	1
Secretary/Scale Operator	-	1	1	1	1
Equipment Operators	1	2*	3*	4*	5*
Spotter/Screener/Laborer	1*	1*	2*	2*	3*

*The function of the position may be performed by other qualified personnel.

Table IV.2: Training Requirements

Position	TCEQ "A"	TCEQ "B"	TCEQ "C"	Waste Screen-ing	OSHA Hazmat 40 hour	Hazmat 16 hour	CFC Extraction Certification
Landfill Superintendent			X	X	X		
Landfill Supervisor / Foreman			X	X		X	X
Environmental Compliance Officer			X	X			
Spotter / Waste Screener				X			
Mechanic							X
Crew Leader			X	X		X	
Operator				X			
Secretary/Scale Operator				X			
Groundsworker				X			

Safety meetings are scheduled throughout the year. Training sessions shall be scheduled to allow uninterrupted site operations. Records of personnel attending each training session and the topics covered will be maintained at the site. Topics for training may vary each month but must be conducted at least annually for: 1.) fire protection, prevention, and evacuation; 2.) emergency response; 3.) storm water management; 4.) HAZCOM; and 5.) personnel protective equipment. New landfill employees will be trained upon hire to be able to respond to emergencies, including an understanding of unacceptable wastes, fire protection, and general site safety.

Facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that ensures the facility's compliance with the requirements of this SOP, emphasizing emergency procedures. The Executive Director of BVSWMA will ensure that this program includes all the elements described in this SOP. This program is directed by the Landfill Superintendent and will include instruction that teaches facility personnel proper waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed. At a minimum, the training program will be implemented to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems, including where applicable: a.) procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment; b.)

communications or alarm systems; c.) response to fires or explosions; d.) response to groundwater contamination incidents; and e.) shutdown of operations.

3.0 EQUIPMENT 30 TAC §330.127

Equipment requirements may vary in accordance with the method and scope of activities on site at any given time. Additional or different units of equipment in addition to replacement units are provided as necessary to enhance operational efficiency. Typically, the types and quantity of equipment shown in Table IV.3 will be used at the Twin Oaks Landfill for the functions indicated.

Table IV.3: Landfill Equipment Inventory

Quantity	Equipment Type	Function
2	Landfill Compactors	Waste compaction, Tarp placement
2	Track Type Tractors	Waste spreading and compaction, cover placement, earth moving
2	Articulated Dump Trucks	Cover transport, earth moving, materials transport
1	2,000 Gallon Water Tanker	Dust control, vegetation watering
1	Track Excavator	Earth moving, excavation, cover placement
1	Motor Grader	Road maintenance, grading
1	Roll-Off Truck	Roll-Off container transport
1	Backhoe Loader	Excavation, earth moving
1	4x4 Tractor	Mowing, erosion control application
1	Commercial Tractor	Mowing, erosion control application
1	Tarpmachine	Alternate daily cover

In addition to the above list, miscellaneous pickup trucks, vans, and other light utility vehicles as well as various pumps, instruments, and safety and training equipment are on-site as necessary for operators at the facility. Other equipment will be available on an as-needed basis from city equipment pools, rental fleets, or other sources. Table IV.4 displays the minimum equipment required per waste acceptance rate. BVSWMA will secure additional equipment and staff as needed to sufficiently handle the amount of waste being accepted.

Table IV.4: Minimum Equipment Required Per Acceptance Rate

Equipment	1-100 tpd	101-1000 tpd	1001-2000 tpd	2001–3000 tpd	3001-4000 tpd
Landfill Compactor > 55,000 pounds	1	1	1	0	0
Landfill Compactor > 85,000 pounds	0	0	1	2	3
Tracked Dozer	0	1	1	2	2
Motor Grader	1	1	1	1	1
Excavator	0	1	1	1	2
Dump Trucks	0	1	2	2	3
Water Truck (2000 gallons capacity)	1	1	1	1	2

4.0 OPERATING PROCEDURES

4.1 Record Keeping Requirements 30 TAC §330.125

The Landfill Superintendent maintains a copy of the permit as amended or modified, including the approved SDP, the SOP, and other operating plans/procedures. These documents are operational requirements, and are considered part of the Site Operating Record (SOR) of the facility. The eight plans/procedures and records listed below are found as attachments in Part III (Site Development Plan), of the permit.

1 Groundwater and Surface Water Protection Plan (Attachment 6)
2 Erosion Control Plan (ECP) (Attachment 6)
3 Soil and Liner Quality Control Plan (SLQCP) (Attachment 10)
4 Groundwater Sampling and Analysis Plan (GWSAP) (Attachment 11)
5 Final Closure Plan (FCP) (Attachment 12)
6 Post-Closure Care Plan (PCP) (Attachment 13)
7 Landfill Gas Management Plan (LGMP) (Attachment 14)
8 Leachate and Contaminated Water Plan (LCWP)(Attachment 15)

The Site Operating Record will be kept at the onsite landfill management office buildings located near the site entrance. The Landfill Superintendent will provide written notification to the TCEQ with documentation of any changes made to the documents listed above. All information contained in the SOR will be provided to TCEQ upon request, and made available at all reasonable times for inspection by the TCEQ. BVSWMA will retain information contained within the SOR and the various plans required for the life of the facility, including the post-closure care period.

The Landfill Superintendent is responsible for recording and retaining in the Site Operating Record the information listed in Table IV.5. The Table indicates the frequency of documentation and submittal if appropriate. All reports are maintained at the landfill office. Documents are required to be added to the SOR within seven working days of completion of the item or receipt of analytical data.

Table IV.5: Recordkeeping Schedule

Records Needed	Recordkeeping Required?	Rule Citation	Frequency of Submittal
Location Restriction Demonstrations	Required	330.125(b)(1)	Permit Application – Part II – no additional submittal required unless permit is amended.
Prohibited Waste Inspection Records, Training and Receipt Notification Procedures	Required	330.125(b)(2)	Per occurrence
Gas Monitoring Results	Required	330.125(b)(3)	Quarterly
Remediation Plans for Explosive & Other Gases, if applicable	Required	330.125(b)(3)	Per occurrence
Unit Design Documentation for Leachate or Gas Condensate Placement	Required	330.125(b)(4)	As required
Groundwater Monitoring and Corrective Action Demonstration, Certification, Monitoring, Testing & Analytical Data	Required	330.125(b)(5)	Monitoring – semi-annual Corrective action as required
Closure and Post-Closure Plans	Required	330.125(b)(6)	Permit Application
Post-Closure Monitoring, Testing and Analytical Data	Required	330.125(b)(6)	Groundwater monitoring – semi-annual inspections
Cost Estimates and Financial Assurance Documentation for Closure & Post-Closure	Required	330.125(b)(7)	Annually
Small Community Exemption Criteria Compliance Documentation	Required	330.125(b)(8)	Not applicable
Facility Operation, Permit Modification, Approvals, & Technical Assistance Correspondence & Responses	Required	330.125(b)(9)	Per occurrence
Special Waste Manifests, Trip Tickets and All Other Documents Relating to Special Waste	Required	330.125(b)(10)	Per occurrence
Other Documents Specified in the Permit or by the executive director	Required	330.125(b)(11)	As required
Personnel Training Records - §335.586(d)-(e)	Required	330.125(e)	Annually
Review Personnel Operating License Requirements for Maintenance – Chapter 30, Subchapter F	Required	330.125(f)	Annually
Annual Waste Acceptance Rate Documentation including Quarterly & Annual Solid Waste Summary Reports required by §330.675	Required	330.125(h)	Annually and quarterly
Unauthorized Material Removal	Required	330.133(b)	Per occurrence
Alternate Operating Hours	Required	330.135(c)	Per occurrence
Landfill Marker Inspections	Required	330.143(a)	Monthly
Landfill Gas Management Plan Required Reports & Submittals	Required	330.159	Quarterly

Records Needed	Recordkeeping Required?	Rule Citation	Frequency of Submittal
Cover Placement and Inspection Record	Required	330.165(h)	Daily cover – Daily/Intermediate Cover – Monthly/Final Cover – Quarterly
Interim Erosion Control Measures	Required	330.305(e)(1)	Quarterly or following receipt of 2-inch of rain in 24 hours
RACM Acceptance Records, if applicable	Required	330.171(c)(3)(B)	Per occurrence
Access Control Breach and Repair Notices	Recommended		As Needed
Access Control Inspection and Maintenance	Recommended		Quarterly
Daily Litter Pickup (onsite and 2 miles along State Highway 30)	Recommended		Daily
Fire Occurrence Notices	Recommended		Per Occurence
Ponding Prevention Plan Compliance Documentation	Recommended		As Needed

All information contained in the SOR will be furnished upon request to the TCEQ and made available at all reasonable times for inspections by the TCEQ.

The Site Operating Record as described in this section, in addition to any other related operational plans or documents will be maintained at the site or at an alternate location approved by the TCEQ for the life of the facility including the post-closure care period.

4.2 Access Control 30 TAC §330.131

Public access to the landfill operating area will be limited to one entrance from SH 30. The Secretary/Scale Operator controls access to the operating area and monitors all vehicles entering and exiting. Other lockable gates for emergency access and occasional use by large equipment as needed may be provided in the perimeter fences. All gates will be locked during non-operational hours. See Section 4.2.6 for details on site fencing and gates. A locking gate will be provided for access to the adjacent Levy property, as well as a second locking gate for access to the Trant property. These two property owners will not have free access to the landfill. See Part III, Attachment 1 of the Permit Application for site layout and entrance facility figures.

4.2.1 Access From Public Road

Access to the site will be from State Highway 30, which is a two-way, two-lane asphalt-paved road, with an average pavement width greater than 20 feet. A site sign will be clearly visible

adjacent to the main gate entrance. Vehicles delivering solid waste to the site will be required to cross the scales to be weighed. The drivers will be questioned regarding the type of waste being delivered.

4.2.2 Vehicle Access

All waste-hauling vehicles deposit their loads at the working face. Only BVSWMA vehicles, vehicles authorized by the Landfill Superintendent or Landfill Foreman, landfill construction vehicles, landfill personnel vehicles, and authorized haul vehicles have access beyond the scale facility. Only authorized haul vehicles, BVSWMA vehicles, and vehicles authorized by the Landfill Superintendent or Landfill Foreman, are allowed access to the working face.

4.2.3 All-Weather Access

The entrance will be a minimum 36-ft wide concrete or asphalt drive that transitions into an asphalt perimeter road or interior haul road. Interior haul roads will be constructed of crushed stone, rubble, crushed brick or concrete, or other non-waste materials capable of providing an all-weather driving surface. Site personnel will maintain the on-site roads for all-weather access. The entrance to the facility from SH 30 and all interior access roads leading to the active face will be all-weather roads. If conditions prohibit access to the active fill face during inclement weather, an all-weather access area will be constructed at or above ground level near the working face of the active area. When necessary, haulers will dump waste at the edge of the designated wet weather area to allow the compactor or dozer to push the waste into the fill. During the period when waste is being placed in the initial waste layer in below-grade fill sectors, a wet weather disposal area will be maintained at or above natural grade over a previous fill sector.

4.2.4 Traffic Control

The entrance to the landfill will be located near the northwest corner of the site. The Secretary/Scale Operator will restrict site access to authorized vehicles, and direct these vehicles appropriately. Directional signs will direct vehicles to disposal areas, and any waste segregation or waste inspection areas, as appropriate.

Solid waste transportation vehicles will be weighed at the scale, and then directed to the active portion of the landfill. In addition, private vehicles may also be directed to the scales to determine the weight of the waste disposed. Site personnel provide traffic direction as necessary to support safe movement of vehicles. Speed limit signs will be posted on internal roads.

4.2.5 Site Security

Site security measures are designed to prevent unauthorized persons from entering the site, to protect the facility and its equipment from possible damage caused by trespassers, and to prevent disruption of facility operations caused by unauthorized site entry.

Unauthorized entry into the site will be minimized by controlling access to the landfill site with a perimeter fence and locked gates. All gates to the site will be locked outside normal operating hours.

Entry to the active portion of the site will be restricted to designated personnel, approved waste haulers, and properly identified persons whose entry is authorized by the Landfill Superintendent or Landfill Foreman. Visitors may be allowed on the active area only when accompanied by a site representative.

The TCEQ regional office must be notified within 24 hours of a breach and subsequent repair schedule if the breach is not permanently repaired within 8 hours of detection. Temporary repairs are required to be completed within 24 hours of detection. Logs and records of access inspections and detections are recommended to be kept in the SOR.

4.2.6 Site Fencing

A chain link or barbed wire fence or equivalent is located along SH 30 for the entire length of the property frontage. In addition, a similar fence will be located along the east side of the existing road that is located west of the disposal area. A barbed wire fence or equivalent will surround the site. The southeast and southwest sides of the disposal area are presently heavily wooded and include creeks. These creeks and woods also act as natural barriers between the landfill operations and adjacent properties. A locking gate and scalehouse are located on the site entrance

road. Locations of the scalehouse facility, gate, fence, and access roads are shown in Part III, Attachment 1 of the permit application. Perimeter fencing along SH 30 and on the east side of the existing road that is located west of the fill area will be inspected at least weekly. Necessary repairs will be made within two days of inspection. All other fencing will be inspected at least monthly. Documentation of inspections and any necessary repairs are recommended to be kept in the SOR.

4.3 Unloading of Waste 30 TAC §330.133

The landfill will receive municipal solid waste and those solid wastes allowable under 30 TAC §330.171 of the MSWMR. In accordance with 30 TAC §330.171 and §330.173 of the MSWMR, Twin Oaks Landfill will be authorized to receive the following special wastes:

- Dead animals and slaughter house waste
- Empty, triple-rinsed containers that have been used for pesticides, herbicides, fungicides, and rodenticides
- Grease trap and grit trap waste and liquid waste from municipal sources, if treated/processed to contain no free liquids
- Wastewater treatment plant sludge
- Contaminated soil (TPH < 1500 ppm)
- Non-regulated asbestos-containing materials
- Class 2 and 3 industrial solid waste
- Waste generated from oil, gas, and geothermal activities
- Treated special waste from healthcare-related facilities
- Municipal Hazardous Waste from Conditionally Exempt Small Quantity Generators

An approval letter from the TCEQ will be required prior to accepting any waste for disposal that is not specifically listed above or in 30 TAC §330.171. Trained personnel will monitor the incoming waste at all times during operations. These personnel will be familiar with 30 TAC §330.171 of the MSWMR, governing the various types of waste that can or cannot be accepted for landfill disposal into this facility. The personnel will also receive training to gain a basic understanding of both industrial and hazardous waste and their transportation and disposal requirements. Unloading of waste in unauthorized areas is prohibited. Solid waste unloading will be controlled to prevent disposal in locations other than those specified by site management. Any waste deposited in an unauthorized area will be promptly removed and disposed of properly.

Control will also be used to confine the working face to a minimum width consistent with the rate of incoming waste while allowing for safe and efficient operation.

4.3.1 Working Face 30 TAC §330.133(a)

Unloading of waste at the working face of the landfill will be confined to as small an area as practical, typically less than 200 feet by 200 feet. As areas of the landfill near final waste elevations, the compacted waste lift thickness may decrease and require a larger than normal working face. Solid waste dumping will be controlled to prevent disposal in unauthorized areas or in locations other than those specified by site management. Rules for waste disposal and prohibited waste will be prominently displayed on signs at the site entrance. Refer to Section 6.0 of this SOP – Detection and Prevention of Disposal of Prohibited Wastes and PCBs – for specific waste handling procedures.

The Secretary/Scale Operator will direct vehicles to the working face, the citizens' collection area, or the white goods storage area. The citizens' collection area consists of seven roll-off boxes in an area approximately 200 feet by 40 feet. The white goods storage area measures approximately 150 feet by 60 feet. A roll-off box is available to store smaller items for recycling. Both the citizens' collection and white goods storage areas are under supervision of the Secretary/Scale Operator and ECO.

A tire storage trailer is also located on the landfill site and is supervised by the ECO and Landfill Foreman.

4.3.2 Waste in Unauthorized Areas 30 TAC §330.133(b)

Depositing waste in unauthorized areas is prohibited. Any such waste mistakenly deposited will be promptly removed and transported to the working face or offsite for proper disposal. The BVSWMA will employ equipment, personnel, and materials as necessary to control these waste deposits and move them to the proper disposal area. Windblown trash and other litter on-site and along State Highway 30 for a distance of two miles from the gate will be picked up at least daily, on days that the landfill is in operation and will be disposed at the working face. Requirements for covered loads will be rigidly enforced, minimizing the opportunity for litter deposited along

the road leading to the site. Any litter along the road resulting from vehicles traveling to the landfill will be removed and disposed properly at the landfill working face. Additionally, wind blown litter will be collected from the fence and other areas of the site at least daily on days that the landfill is in operation.

4.3.3 Unauthorized Wastes 30 TAC §330.133(c)

The site is not authorized to receive regulated hazardous wastes or radioactive wastes. These categories of wastes are prohibited at this site by state and federal regulations (refer to Section 6 – Detection and Prevention of Disposal of Prohibited Wastes and PCBs). Special wastes are not handled at this landfill except in accordance with TCEQ regulations and Section 4.21 – Disposal of Special Wastes of this SOP.

Unloading unauthorized waste is not allowed. In the event of a discharge of unauthorized wastes at the landfill, the BVSWMA will employ equipment, personnel, and materials as necessary to transfer the unauthorized waste to a proper disposal facility. Unauthorized wastes shall be removed from the working face immediately upon discharge and placed back in the offending transporter's vehicle, if possible. Unauthorized waste will be isolated from the open face and contained. If returning the material to the offending transporter's vehicle is not possible, the unauthorized waste will be placed in a suitable collection bin or segregated area, for storage until proper disposal. All events related to unauthorized waste at the facility will be documented in the facility's operating record.

4.4 Hours of Operation 30 TAC §330.135

The facility will be open for operation six days per week, Monday through Saturday. The site will be closed on Sundays and certain holidays. Waste acceptance hours will be from 6:00 a.m. until 7:00 p.m. Actual waste acceptance hours of the landfill may vary within the 6:00 a.m. to 7:00 p.m. limits, and the actual hours will be posted on the site entrance sign. Waste will not be accepted on-site or placed in an active cell for disposal outside approved hours. Hours of operation when heavy equipment can be operated will be limited to 4:00 a.m. to 9:00 p.m. Waste acceptance hours may be extended beyond the limits listed above to accommodate special

community events and/or anticipated increases of incoming volumes of waste. If additional hours or dates are needed, the BVSWMA will obtain prior TCEQ approval. The dates, times, and duration of any alternative operating or waste acceptance hours utilized will be recorded in the SOR.

Table IV.6 shows alternative working hours permitted on the following five days.

Table IV.6: Alternative Working Hours

Day	Waste Acceptance Hours	Operating Hours
Sunday following New Year's Day	5 am to 9 pm	3 am to 11 pm
Sunday following Earth Day	5 am to 9 pm	3 am to 11 pm
Sunday following July 4th	5 am to 9 pm	3 am to 11 pm
Sunday following Labor Day	5 am to 9 pm	3 am to 11 pm
Sunday following Thanksgiving	5 am to 9 pm	3 am to 11 pm

Additional temporary waste acceptance or operating hours may be approved by the TCEQ regional office to address disasters, other emergency situations, or other unforeseen circumstances that could result in the disruption of waste management services in the area. The facility must record in the site operating record the dates, times, and duration when any alternative operating hours are utilized.

4.5 Site Signs 30 TAC §330.137

A permitted entrance sign will be displayed at the entrance to the site. This sign will measure at least four feet in width and four feet in height with at least three-inch letters. This sign will state the type of site, hours, days of operation, and the MSW permit number. A sign prohibiting smoking and certain types of waste, such as hazardous waste, and Class 1 waste will be posted near the scale house. An emergency phone number which will be attended at all times will be posted at all site entrances, visible from outside the fence or gate.

4.6 Control of Windblown Waste and Litter 30 TAC §330.139

Windblown wastes will be controlled by several means:

- All waste transportation vehicles using this facility will be required to have in place adequate covers or other means of containment for the wastes they transport. The adequacy of covers or containment of incoming wastes will be checked at the scalehouse.
- To further minimize windblown wastes, the facility will provide litter control fences at appropriate locations near the working face and elsewhere. Litter control fencing will be located as close as practical to the active fill face.
- As part of the overall site maintenance program, facility personnel will collect windblown waste materials that may have accumulated on-site and on off-site access roads at least once per day on days that the landfill is in operation. Litter along site roads and across the entire site will be collected no less frequently than daily on days the landfill is in operation.
- The working face of the active disposal area will be covered daily to avoid prolonged exposure of wastes, and to minimize windblown material.

See Sections 4.3.2 (Waste in Unauthorized Areas) and 4.9 (Materials Along the Route to the Site) for additional information.

4.7 Easements and Buffer Zones 30 TAC §330.141

4.7.1 Easements 30 TAC §330.141(a)

In accordance with 30 TAC §330.141, solid waste unloading, storage, disposal, or facility operations will not occur within any easement or right-of-way that crosses the site. No solid waste disposal will occur within 25 feet of the exterior limits of any utility line or pipeline easement, unless otherwise authorized by the TCEQ. All easements will be clearly marked as specified in Section 4.8—Landfill Markers and Benchmark. Pipeline and utility easements will be marked with steel, wood, or fiberglass/plastic posts that stand 6 feet above ground level, spaced at intervals no greater than 300 feet.

Mid-South Synergy has a 60-foot wide utility easement that runs south/southeast along the western and southern property boundary. Aquila Southwest Pipeline Corporation has a 30-foot wide, low-pressure, buried petroleum transmission line easement that runs north-south through the center of the site. A 30-foot wide road easement belonging to Greta A. Fryxell and Miriam J. Brigida and a second road easement belonging to Mrs. I. C. Wilkins also exist on the site. Two private road easements will be established just outside the perimeter fence on the west side of the property. An additional road easement will allow access to the Levy property. A fourth road

easement will be partially co-located with the Levy access easement, and will allow access to the Trant property. All existing easements are shown in Part III, Attachment 1.

4.7.2 Buffer Zones 30 TAC §330.141(b)

No solid waste unloading, storage, disposal, or processing operations will occur within any buffer zone that crosses the site. Buffer zones are maintained at a minimum distance of 150 feet inside the site boundary and are depicted in Part III, Attachment 1. Buffer zones will be wide enough to accommodate fire-fighting and other emergency equipment and vehicles; there must be no activities that may be obstacles to the safe passage within this band, such as drainage installments, planting, and farming. All buffer zones will be clearly marked as specified in Section 4.8 – Landfill Markers and Benchmark.

4.8 Landfill Markers and Benchmark 30 TAC §330.143(a)

Landfill markers will be installed to clearly mark significant features as required by §330.143(b). The markers will be steel, wood, or fiberglass/plastic posts. The markers will extend 6 feet above ground, not be obscured by vegetation, and will be placed in sufficient numbers to clearly show the required boundaries. Markers that are removed or destroyed will be replaced within 15 days. All markers will be inspected monthly and repainted as needed to retain visibility. Records of inspections will be maintained in the SOR. Guidelines for type, placement, and color-coding of markers are provided below.

- *Black – boundary markers.* The boundary markers will be placed at each corner of the site and along each boundary line at intervals no greater than 300 feet. Fencing may be placed within these markers as required.
- *Yellow – buffer zones.* The buffer zone markers will be placed along each buffer zone boundary, at all corners and between corners at intervals of no more than 300 feet.
- *Green – easements and rights-of-way.* Easement and right-of-way markers will be placed along the exterior limits of easements and along the boundary of rights-of-way at each corner within the site and at the intersection of the site boundary.
- *White – landfill grid.* The landfill grid system consists of numbered markers on the site perimeter utilizing a landfill grid. Markers are spaced no greater than 100 feet apart, measured along perpendicular lines. Intermediate markers will be installed if necessary to allow visibility from opposite boundaries. The grid markers will be maintained during the active life of the site.

- *Red – approved SLER areas.* The SLER or GLER markers will be placed so that all areas for which a SLER or GLER has been submitted and approved by the TCEQ are readily determinable. These markers will be located so that they are not destroyed during operations or until operations extend into the next area, and provide site workers immediate knowledge of the extent of approved disposal areas. The location of the markers will be tied into the landfill grid system and reported on each SLER or GLER submitted. SLER or GLER markers will not be placed inside the evaluated areas.
- *Blue – floodplain limits.* Floodplain markers will be placed along Alum Creek and its tributary on the side of the creek nearest the fill area, where the floodplain is located inside the permit limit. Markers will be permanent posts placed at intervals of 300 feet, or closer if needed for visibility.

A permanent benchmark has been installed at the site in the vicinity of the landfill entrance facilities. This location is readily accessible and will not be used for disposal. The benchmark is a bronze survey marker set in concrete. The benchmark elevation will be surveyed from a known United States Coast and Geodetic Survey benchmark or other reliable benchmark. The location of the benchmark is identified in Part III, Attachment 1 with coordinates of N 30° 36' 13.36", E 96° 09' 14.86", at elevation 238.14'.

4.9 Materials Along the Route to the Site 30 TAC §330.145

The Landfill Superintendent will take steps to ensure that vehicles hauling waste to the site are enclosed or provided with a tarpaulin, net, or other means to properly secure the load. These steps are necessary to prevent the escape of any part of the load by blowing or spilling. Signs stating this policy will be posted and the Landfill Superintendent may report offenders to proper law enforcement officers. The Landfill Superintendent will be responsible for the daily cleanup of waste materials spilled along and within the right-of-way of all public access roads serving the site for a distance of two miles in either direction from the entrance to the site. The Landfill Superintendent will consult with officials of the Texas Department of Transportation concerning cleanup of state highways and rights-of-way. See Sections 4.3.2 (Waste in Unauthorized Areas) and 4.6 (Control of Windblown Waste and Litter) for additional information.

4.10 Disposal of Large Items 30 TAC §330.147

Large appliances and other heavy items that can be incorporated in the regular spreading, compaction, and covering operations will not be placed within five feet of the liner. If such items

can be disposed without interference with filling operations, they will be placed at least five feet above the liner and surrounded with compacted household waste. Large, heavy and bulky items include but are not limited to white goods (household appliances), air conditioner units, and large metal pieces. Material that cannot be disposed without interfering with proper compaction and filling operations will be set aside and removed from the site for proper disposal elsewhere. Coolants (such as freon containing chlorofluorocarbons) will be evacuated from air conditioners and refrigerators by a third party vendor, or staff certified to perform this service, prior to landfilling, as specified by 40 CFR §80.156(f). BVSWMA will develop a white goods/appliances recycling program at the Twin Oaks Landfill to keep these materials from disposal. The white goods/appliances drop-off facility will be located within the landfill entrance facilities area indicated in Part III, Attachment 1. Materials collected there will be removed periodically so as not to create nuisance conditions. Such materials will not be stored on-site longer than 180 days. Spotters, equipment operators and the customer service representative will visually screen for these items at the scalehouse and working face. BVSWMA or a third party will remove the collected items on a regular basis. See Section 4.14 (Salvaging and Scavenging) for additional information.

4.11 Air Quality Control and Odor Management 30 TAC §330.149

The New Source Performance Standards and Emission Guidelines (NSPS & EG) promulgated by the USEPA effective March 12, 1996 may require that this facility install a landfill gas extraction system at some point in time. A design capacity report will be submitted to the TCEQ within 90 days of the initial acceptance of waste at the site. The initial non-methane organic compound (NMOC) emission rate report will be submitted within 90 days of the initial day of waste acceptance as required by 40 CFR Part 60 Subpart WWW of the Federal Regulation. State regulations related to air emissions that will impact the facility include Regulation V (30 TAC §113) and the Standard Permit (now integrated into Subchapter U of the MSWMR). Any future changes in the operation of the landfill resulting from federal or state emission regulations will be submitted as a modification to this SOP.

Other measures to control air pollution include, but are not limited to, the following provisions:

- No open burning of waste will be permitted at the facility; except for brush and trees pursuant to TCEQ regulation §330.15(d);
- Freshly landfilled waste will be promptly covered with daily cover;
- Removal and disposal of odorous items from the white goods/appliance storage area;
- Removal of leachate will be done under appropriate weather conditions;
- Identify known sources of odorous wastes and specify a time of day for these wastes to be received so that they can be given special attention;
- Ponded water at the site is controlled as detailed in Section 4.20; and
- Accidental fires are controlled as outlined in Section 7 – Fire Protection Plan.

4.11.1 Waste Acceptance

The Twin Oaks Landfill will be responsible for identifying any wastes which may pose an odor problem at the working face. The Foreman or appropriate designee will be notified that a load requiring special management is entering the facility. The Spotter/Waste Screener will be responsible for directing that waste to the working face for unloading. The Equipment Operator will spread, compact, and cover problem waste promptly with solid waste or soil. Special waste disposal will follow handling requirements as outlined in the regulations or as directed by special waste authorizations obtained from the Executive Director. To the extent practical, the Twin Oaks Landfill will manage its commercial collection program in a manner that will result so that loads of waste presenting special odor problems, such as restaurant loads, are delivered early in the day.

4.11.2 Working Face

Waste disposal operations will be maintained in limited areas during operations, thereby exposing as little waste as possible to the open air. Waste will be disposed of promptly into the working face of the landfill. Waste will be covered on a daily basis. If ADC is used and significant odors are detected, the ADC will be reevaluated by landfill staff.

4.11.3 Ponded Water

Ponded water will be kept to a minimum on the site as a means of reducing both vectors and odors. The Foreman will periodically evaluate site conditions, and where ponded water is identified, appropriate measures will be undertaken to reduce or eliminate ponding on site.

4.11.4 Sludges

Waste water treatment plant sludge meeting the requirements of §330.171(c)(7), excluding free liquids, will typically be accepted at the landfill. When it is accepted, the material is disposed in a manner that allows for immediate covering by other waste. To the extent practical, sludge will not be disposed at the end of the day. Daily cover will be applied over all of the waste, including sludge at the end of the day. If sludge is disposed as one of the final loads for the day, soil will be used as cover for the sludge if an alternate daily cover material is used for other wastes.

4.11.5 Medical Waste

Only treated medical wastes will be accepted at the landfill. When they are accepted, the material will be disposed in a manner that allows for mixing with other MSW. To the extent practical, medical wastes will not be disposed at the end of the day. Daily cover will be applied over all of the waste, including medical waste at the end of the day. If medical wastes are disposed as one of the final loads for the day, soil will be used as cover for the treated medical wastes if an alternative daily cover material is used.

4.11.6 Other Odor Control Measures

Other measures that will be taken to control air pollution at the landfill include: no open burning except as approved by the Executive Director, extremely wet waste will be promptly covered with daily cover, and accidental fires will be controlled as outlined in the Fire Protection Plan.

4.12 Disease Vector Control 30 TAC §330.151

The need for extensive vector control (control of rodents, birds, flies, and mosquitoes) will be minimized through proper site operation, including on-going compaction and continuous application of daily, intermediate and final cover. Section 4.18 discusses compaction plans and procedures. Section 4.19 discusses site cover procedures. The extent of the working face will also be minimized. Site operators will make daily checks for insects or rodents associated with the operations and will report problems to the Landfill Superintendent. If vectors become a nuisance during the hours that the active face is not covered, commercially available vector control measures such as controlled use of pesticides by licensed pest control professional, or

bird control devices (such as pyrotechnic devices, distress calls or propane cannons) will be used as appropriate. Any ponded water at the site shall be controlled to avoid its becoming a nuisance and attracting vectors.

4.13 Maintenance of Site Access Roads 30 TAC §330.153

The entrance road to the facility from SH 30 and all interior access roads to the major fill areas within the landfill will be all-weather roads. These roads provide access to the active disposal area, and consist of concrete at the entrance from SH 30, asphalt or crushed stone on the perimeter road, and crushed stone or other similar materials on interior haul roads.

Crushed stone or other similar materials used for all-weather road construction may be salvaged and reused on-site as the access road locations change across the site. All access roads to the disposal area will be all-weather roads to minimize tracking of mud and control dust.

All site roads will be maintained and re-graded as necessary to minimize depressions, ruts and potholes. Dust suppression by watering and litter control on all site roads will be provided as necessary to prevent nuisance conditions. A demudder system will be located on the exit road leaving the site in order to prevent mud from being tracked onto public roads by landfill vehicles. Any mud that is inadvertently tracked on public roads will be promptly removed by sweeper or washing or both.

4.14 Salvaging and Scavenging 30 TAC §330.155

For the purposes of this Plan, salvaging is considered to be the controlled segregation and removal of materials from the working face for reuse or recycling or from waste hauling vehicles at the entrance. Scavenging is considered to be uncontrolled and unauthorized searching for and removal of materials from the waste stream. Salvaging will not be allowed to interfere with prompt sanitary disposal of solid waste or to create public health nuisances. Salvaged materials are considered as potential recycled materials. Salvaged items will be removed from the site often enough to prevent the items from becoming a nuisance, to preclude the discharge of pollutants from the area, and to prevent an excessive accumulation of the material at the site.

Pesticide, fungicide, rodenticide, and herbicide containers shall not be salvaged unless being salvaged through a state-supported recycling program. See Section 4.10 (Disposal of Large Items) for additional information. Special wastes received at the site will not be salvaged. Scavenging will be prohibited at all times.

4.15 Protection of Endangered Species 30 TAC §330.157

Significant portions of the site were found to contain populations of *S. parksii*, and the Applicant coordinated approvals with the USFWS. The USFWS issued a final biological opinion on August 25, 2006, granting approval of the project with approved mitigative measures. Mitigation measures approved by the USFWS include preservation of populations of *S. parksii* or its habitat located on the site. In such cases, the on-site areas to be affected will be conspicuously marked using stakes, fencing, or other suitable means to delineate protected or restricted areas. Appropriate signs will be posted along the perimeter of the affected area, stating the nature of the protected area and applicable restrictions. Other mitigation approved by USFWS are be required outside the landfill permit area. Part II Section 10.0 of the permit contains a discussion of endangered species.

4.16 Landfill Gas Control 30 TAC §330.159

The Landfill Gas Management Plan for Twin Oaks Landfill is provided as Part III, Attachment 14. It addresses landfill gas monitoring procedures and contingency plans in the event that monitoring detects landfill gas in concentrations or locations of concern. Required reports will be included in the Site Operating Record and submitted to the TCEQ. See Table IV.5 for the schedule.

4.17 Treatment of Abandoned Oil and Water Wells 30 TAC §330.161

A well survey conducted in April, 2000 by Atlas Environmental Research (AER), aerial photos of the area, and a recent visual inspection revealed no readily identifiable domestic wells, intake of water treatment plants or raw water intakes which furnish water for human consumption located within 500 feet of the site. Therefore, there are no known water wells within a 500-foot

radius of the site. Known water wells outside of the 500-foot radius are located as shown on Figure I.3.3 in Part I of this application.

No known existing or abandoned crude oil or natural gas wells or other wells associated with mineral recovery are on-site. If any such wells are identified during the course of site development and facility operation, the Landfill Superintendent will immediately provide written notification to the TCEQ of the location of any and all existing or abandoned on-site wells. The Landfill Superintendent will provide written certification to the TCEQ that all such wells have been properly capped, plugged, and closed in accordance with all applicable rules and regulations of the Texas Railroad Commission, within 30 days of such closure.

No known existing or abandoned water wells are on-site. If any water wells are identified during the course of site development and facility operation, the Landfill Superintendent will immediately provide written notification to the TCEQ of the location of any and all existing and abandoned wells. Within 30 days of such a discovery, the Landfill Superintendent will provide written certification to the TCEQ that all such wells have been capped, plugged, and closed in accordance with all applicable rules and regulations of the TCEQ or other state agency.

A copy of the well plugging report required to be submitted to the appropriate state agency will also be submitted to the TCEQ within 30 days after any well has been plugged.

4.18 Compaction of Solid Wastes 30 TAC §330.163

Compaction of incoming waste provides more efficient use of available space and reduces the amount of settling after the fill is complete. Adequate compaction will be accomplished primarily using landfill compactors specifically designed for use in municipal solid waste landfills. Compaction of the waste will be accomplished by repeated passes of compaction equipment to minimize future consolidation and settlement and provide for the proper application of daily, intermediate, and final cover. The equipment operator's training will include instruction on techniques for good compaction. These techniques include a minimum number of passes with the compaction equipment along with a maximum refuse layer height to ensure

optimum compaction. Calculations to confirm adequate density will be performed by BVSWMA on a regular basis.

4.19 Landfill Cover 30 TAC §330.165

4.19.1 Soil Management

The site is expected to yield an excess of soil beyond that required for liner and final cover construction, and daily cover. A stockpile of cover material will be maintained within the permit boundaries. This stockpile will contain enough soil for at least three days of operation in the event that the excavation site is inaccessible for any reason. The cover material will be clean soil, not previously mixed with waste materials. In general, the cover material will be located so as not to interfere with vehicular traffic or impede drainage. At least a portion of this cover material will be maintained within 1,800 feet of the working face for emergency fire control. In order to cover the maximum working face size of 200 feet by 200 feet, with six inches of daily cover for a period of three days (with a compaction of 20%), the stockpile must have a volume of approximately 2,700 cubic yards of soil.

$$200\,ft \times 200\,ft \times 0.5\,ft \times \frac{1CY}{27CF} \times 1.2 = 899\frac{CY}{day} \times 3days = 2{,}667CY$$

4.19.2 Daily Cover 30 TAC §330.165(a)-(b)

Daily cover of waste is necessary to control disease vectors, windblown waste, odors, fires, scavenging, and to prevent excessive accumulations of water within the fill. At the end of each working day, cover will be placed over all solid waste received during that same day. The cover will be sloped to drain.

The daily cover may consist of well-compacted clean soil that has not come in contact with waste, or a TCEQ approved Alternate Daily Cover (ADC). See Attachment IVA for a discussion of the ADC. If soil is used, it will consist of at least six inches of on-site material placed over exposed waste. Three or more days worth of cover soil material will be available for use in the event that weather conditions limit excavation and stockpiling activities or use of ADC.

Stockpiles will conform to the provisions of the Erosion Control Plan, provided as Part III, Attachment 6.

4.19.3 Intermediate Cover 30 TAC §330.165(c)

All areas that receive waste and then become inactive for periods exceeding 180 days will be covered with an additional six inches of well-compacted cover material capable of sustaining native plant growth, for a total intermediate cover thickness of at least twelve inches. Intermediate cover consists of soils that have not previously been in contact with solid waste and that provide a complete cover. Once the top and sides of the working face are shaped as necessary to support proper drainage, prevent ponding, minimize erosion, and other operational requirements, intermediate cover soil will be spread and compacted. Intermediate cover may then be seeded to minimize the potential for erosion.

When the area is to be reused, some of the upper layers of intermediate cover soil (up to six inches) may then be removed for use as daily or intermediate cover on new areas, if the soil can be removed without incorporating any underlying waste within the removed material. Intermediate cover will be inspected quarterly and following the receipt of two inches of rain in 24 hours.

4.19.4 Final Cover 30 TAC §330.165(f)

The Final Closure Plan (FCP) allows for the successive closure of areas of the site as they become filled to capacity. Closure of individual areas will be in accordance with Part III, Attachment 12, and will permit ongoing landfilling operations to continue until the time of final closure. The surface is managed throughout the active life of the site to minimize infiltration into the filled areas and to minimize contact of surface water with solid waste.

In general, closure of completed portions of the site consists of the following steps:

1. Survey controls will be implemented to control the filling of solid waste to the lower level of the final cover.
2. The TCEQ will be notified of the intent to close a portion of the site.

3. A surveyed grid system or other suitable surveying measure will be used to control placement of the final infiltration layer. The final cover system will be installed per the site's Final Closure Plan.
4. Testing of the various components of the final cover system will be performed in accordance with the MSWMR.
5. During the first growing season following application of final cover system, the site will be vegetated with appropriate grasses to minimize erosion.

4.19.5 Erosion of Cover 30 TAC §330.165(g)

During the active life and post-closure care period of the landfill, periodic inspections will be performed to evaluate erosion of the intermediate cover and final cover. In areas where erosion has occurred, the cover will be restored to its proper grade, compacted, and then seeded, if necessary, within five days. Intermediate cover will be inspected on a monthly basis. Final cover will be inspected quarterly. Interim erosion control measures will be inspected quarterly, or following the receipt of two inches of rain within a 24-hour period.

4.19.6 Cover Application Log 30 TAC §330.165(h)

Throughout the landfill operation, a cover application and inspection log will be maintained by site personnel and will be readily available for inspection in accordance with the MSWMR. For intermediate cover and daily cover, the log will specify the area covered, how it was placed and when it was completed. For final cover, the log will specify the amount of cover applied over each area (thickness) and when it was applied. The signature of the Landfill Superintendent or Landfill Foreman will certify each entry. The log will also be used to document inspection activities for daily cover, intermediate cover, final cover, and any interim erosion control measures implemented. The log will include date of inspection, status of cover or control measures, and any corrective action taken.

4.20 Ponded Water 30 TAC §330.167

Site grading and maintenance will minimize the ponding of water over waste areas. Ponded water, should it occur, will be removed and the area and the depressions filled and regraded within seven days, weather permitting. Should the ponded water be contaminated by contact with waste or leachate, it will be handled in accordance with Part III, Attachment 15 (Leachate and

Contaminated Water Plan). Leachate is defined as water that has percolated through waste or which has run off from the working face, or come in contact with landfill gas condensate, and has collected in the leachate collection system or within the temporary berm surrounding the working face.

Water that has ponded within the excavation which has not come into contact with waste or leachate will be drained into the natural water courses or adjacent ponds or will be separately pumped into the natural water courses or adjacent ponds to prevent the potential for odors or vector attraction.

Following major storm events, i.e. two inches of rain within a 24-hour period, BVSWMA will undertake an assessment of the site to identify areas of potential or actual ponding. A record of locations where ponding occurs will be made. In addition, quarterly reviews of the entire site will be made to identify possible depressions as locations of future ponding. Crews will be directed to these locations to re-grade areas to reduce the potential for future ponding.

Directives to fill and re-grade potential ponding locations will be undertaken as soon as practical after they have been identified. Ponded water that occurs in the active portion of the landfill will be eliminated and the area in which the ponding occurred will be filled in and re-graded within seven days of the occurrence.

During extremely wet conditions, or periods of extended storms, disposal activities will be limited to the wet weather area. Priorities for staff during these periods are to maintain access into and out of the site and provide disposal services as efficiently as possible. Within 7 days of extended wet weather conditions, the site will be evaluated to identify areas where ponding has occurred and corrective actions will be taken to reduce ponding in areas of the working face or closed areas.

4.21 Disposal of Special Wastes 30 TAC §330.171

Acceptance of Special Wastes will be performed in accordance with MSWMR §330.171(c)-(d) requirements. The following special wastes will not be accepted for disposal at the site:

- Class 1 non-hazardous industrial waste
- Used Oil Filters
- Oil
- Paints
- Lead Acid Batteries
- Regulated Asbestos-Containing Material
- Untreated Medical Waste

Other special wastes may be accepted. If these wastes are addressed in §330.171 of the MSWMR, they will be handled in accordance with the procedures provided therein for that specific waste. Should a different procedure be devised or the specific waste not be addressed therein, a request will be made in accordance with §330.171(b)(2) and approval received prior to acceptance of such special waste. Requests for approval to accept special wastes must be submitted by the generator. The request must include, at a minimum, the following list:

- A complete description of the chemical and physical characteristics of each waste;
- A statement as to whether or not each waste is a Class 1 industrial waste as defined in §330.3 of 30 TAC, and the quantity and rate at which each waste is produced and/or the expected frequency of disposal; and
- An operational plan containing the proposed procedures for handling each waste and listing required protective equipment for operating personnel and on-site emergency equipment; and a contingency plan outlining responsibility for containment and cleanup of any accidental spills occurring during the deliver and/or disposal operation.

Some of the special wastes that will be accepted at the site and handling procedures are discussed in Attachment IVB of this SOP.

4.22 Disposal of Industrial Wastes 30 TAC §330.173

Industrial non-hazardous waste is defined by §330.3 as solid waste resulting from or incidental to any process of industry or manufacturing, or mining or agricultural operations, classified as follows: Class I Industrial Solid Waste – any industrial solid waste designated as Class I by the executive director as any industrial solid waste or mixture of industrial solid wastes that because of its concentration or physical or chemical characteristics is toxic, corrosive, flammable, a strong sensitizer or irritant, a generator of sudden pressure by decomposition, heat, or other

means, and may pose a substantial present or potential danger to human health or the environment when improperly processed, stored, transported, or otherwise managed. Class II Industrial Solid Waste – any individual solid waste or combination of industrial solid wastes that cannot be described as Class I or Class III, as defined in §335.506 (relating to Class II waste determination). Class III Industrial Solid Waste – any inert and essentially insoluble industrial solid waste, including materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc. that are not readily decomposable as defined in §335.507 (relating to Class III waste determination).

Class 1 industrial wastes will not be accepted at the site. Class 2 and Class 3 industrial solid wastes will be accepted as long as the acceptance does not interfere with normal operations. In the event that a Class 1 industrial solid waste arrives at the site, the appropriate departments and offices of the TCEQ will be notified. The applicable phone numbers will be included in a list of emergency phone numbers posted in the scalehouse. If the waste presents an emergency situation, the TCEQ Emergency Response Unit will be contacted. The appropriate agencies will be requested to provide assistance through their respective enforcement capabilities concerning transporters and waste generators in the proper management of unauthorized waste received at the site. Refer to Section 6.0 – Detection and Prevention of Disposal of Prohibited Wastes and PCBs and Section 4.3 – Unloading of Waste for waste screening procedures.

Because the landfill does not accept Class 1 industrial wastes, the requirements of §330.179 do not apply to this site.

4.23 Visual Screening of Deposited Waste 30 TAC §330.175

Twin Oaks Landfill is located in a sparsely populated area. Much of the site is currently wooded, including some of the area between the disposal area and SH 30. These native trees will provide visual screening of the disposal operations to drivers of vehicles along SH 30. The cleared area near the west side of the site, along SH 30 is the location of the proposed landfill entrance facilities. These facilities will include a landfill office and administration building, as well as a future large collection fleet maintenance building. These structures will provide visual screening from SH 30, as well. Landscaping, including trees, will be planted and maintained in front of the

entrance facilities to provide additional visual screening and a visual distraction from disposal activities. Where native trees are not located adjacent to the anticipated southernmost edge of any future right-of-way of SH 30, additional trees will be planted. When feasible, these trees will be larger, native trees transplanted from within the boundary of the disposal area.

The sequence of development of the site is such that the first fill sector will be located at the north end of the disposal area, over 900 feet from SH 30. Cell development will progress away from the highway.

4.24 Contaminated Water Discharge

Water that has percolated through the waste and entered the leachate collection system, or which has come in contact with landfill gas condensate, and water which runs off from the working face and collects within the temporary berm surrounding the working face, is considered contaminated and is defined as leachate. Prevention and control of other contaminated water, such as that which might result from accidental spills, are addressed in the stormwater pollution prevention plan.

The Landfill Superintendent will take all steps necessary to control and prevent the unauthorized discharge of solid waste, pollutants, dredge or fill material, or nonpoint source pollution into waters of the United States. Should the discharge of contaminated water become necessary, the Landfill Superintendent will obtain specific written authorization from the TCEQ prior to discharge.

The Leachate and Contaminated Water Plan (LCWP) is included as Part III, Attachment 15. The LCWP specifies in detail all of the provisions for managing leachate. Leachate, contaminated water and gas condensate may be recirculated into waste in areas that contain a Subtitle D liner.

The recirculation of leachate or gas condensate will occur over areas with a leachate collection system and composite liner, and will be introduced via horizontal pipes, vertical wells or spray application at the working face. The leachate collection system will be monitored to determine proper application rates.

4.25 Stormwater Testing

Stormwater that has not become contaminated by contact with waste, and which collects within the excavation and is not discharged within one year, will be tested to determine pH using a field test procedure. If the pH of the collected storm water is not between pH 6.0 and pH 8.0, it will be adjusted to within this range prior to off-site discharge.

Stormwater from soil stockpiles that contain lignite and have been in place longer than one year will be collected in a temporary stormwater pond and tested using a field test procedure for pH prior to discharge from the pond. If the pH is not between pH 6.0 and pH 8.0, the pH of the water will be adjusted as required within this range prior to discharge. All stormwater discharge procedures will be in compliance with applicable stormwater discharge permits associated with the site.

Field test procedures for pH will be verified annually using a laboratory test procedure.

4.26 Maintenance of Stormwater Appurtenances

Stormwater management systems and appurtenances will be inspected at least quarterly and after heavy rain events. Damage such as eroded surfaces, excessive accumulation of sediment, displaced rock, or other conditions that hinder effective stormwater management will be corrected within one month of detection. Ditches clogged with vegetation will be mowed or cleaned by hand to prevent restriction of flow. Eroded banks will be repaired and replanted. Sedimentation basins will be cleaned as needed to ensure adequate storage capacity for sedimentation control purposes.

4.27 Leachate Pump and Riser System

The depth of leachate on the liner will be measured using electronic transducers or other measuring device. Leachate levels in the sectors without sumps will be monitored with transducers lowered down the cleanout risers to the point where the cleanout riser intersects with the collector pipe.

Leachate pumps will be sized appropriately to ensure that leachate levels can be maintained at a depth on the liner just outside the sump of 30 cm or less, without short-cycling. Pumps will be automatically controlled using liquid level sensors installed at appropriate elevations to activate the pump when the leachate level reaches ten inches above the top of the sump, and deactivate the pump when the leachate level is one foot, or less, above the bottom of the sump. The liner in the bottom of the sump has a double-FML component to provide additional groundwater protection at this critical location. In sectors without sumps, liquid level detectors will be installed to detect when the leachate level reaches approximately ten inches above the elevation of the liner at the discharge point from the fill sector. Leachate will be drained from these sectors every Saturday to allow adequate storage capacity in the cell to allow the accumulation of leachate while the landfill is closed on Sunday without exceeding 30 cm of head at the measurement point. Table IV.7 provides elevations of leachate level sensors for each fill sector.

Table IV.7: Elevations of Leachate Level Sensors for Each Sump

Sump	Top of Liner Elevation (Adjacent to Sump)	Pump On Elevation	Pump Off Elevation
1	223.8	224.7	221.2
2A	221.0	221.9	218.4
3A	221.0	221.9	218.4
4	221.3	222.2	218.7

4.28 Waste Storage or Processing 30 TAC §330.65(a)

No waste storage or processing (such as waste stabilization) occurs at the SH-30 Landfill, other than disposal. As such, the requirements of Subchapter E of 30 TAC §330 are not applicable.

5.0 SEQUENCE OF DEVELOPMENT

The features of site development are shown in Part III, Attachment 1, Figure III.1.1.

The first fill sectors will be constructed at the northern end of the site. Site development will progress southward, in the sequence indicated on Figure III.1.4 of Part III, Attachment 1. Each sector will be excavated and liner constructed so as to receive waste first in the lower end, with fill progressing up the slope of the liner to the upper end of the sector.

Sectors 5 and 6 do not require sumps or pumps to remove leachate, because they drain by gravity. However, the other sectors will require the installation of leachate sumps and pumps. Prior to the placement of waste in any sector, one or more on-site leachate storage tanks will be provided for the storage of leachate until it can be hauled off-site for disposal at a wastewater treatment facility or recirculated into the waste. Evaporation ponds may also be used, as previously approved in Part III, Attachment 15.

Development of sectors will include construction of the new disposal area, extension of the site entrance road to the new disposal area, extension of perimeter roads and perimeter ditches along the perimeter of the new sector, construction of temporary drainage ditches, berms, and erosion control structures as needed for construction of new sectors, and installation of site grid system around the perimeter of the new sector including clearly marked grid markers at 100-foot minimum spacing. Perimeter roads and ditches, and any associated ponds will be constructed incrementally, as necessary to serve only the current and previously developed disposal areas.

The proposed fill sequence is depicted in Part III, Attachment 1. Operations will generally follow the proposed fill sequence. If it becomes necessary to deviate from the proposed sequence of fill, the TCEQ will first be consulted, and an appropriate permit modification or amendment will be obtained.

If lignite is ever exposed at the limit of excavation, the lignite will either be over excavated and replaced with non-lignitic material, or it will be covered to prevent contact with the air within one year of its exposure.

6.0 DETECTION AND PREVENTION OF DISPOSAL OF PROHIBITED WASTES AND PCBS 30 TAC §330.127(5)

In accordance with U.S. EPA's RCRA Subtitle D criteria, 40 CFR 258.20, and MSWMR §330.127(5), the Twin Oaks Landfill is required to implement a program to exclude from the landfill regulated hazardous waste and prohibited waste, including Class 1 non-hazardous and PCB waste, as defined in the 40 CFR 261 and MSWMR §330.3. The detection and exclusion program will include, at a minimum, the following steps:

- Random inspections of incoming loads
- Records of all inspections
- Training for facility personnel to recognize regulated hazardous and PCB waste
- Notification to TCEQ of any incident involving the disposal of regulated or PCB waste at the landfill
- Provisions for remediation of the incident

6.1 Load Inspection Procedure

The Secretary/Scale Operator will visually inspect all incoming loads at the scalehouse. Should any indication of prohibited wastes be detected, appropriate landfill personnel will be summoned to conduct a thorough evaluation of the load. The Waste Screener or Environmental Compliance Officer, under the guidance of the Landfill Superintendent, generally conducts waste screening. Other trained staff may also assist as directed. Waste screening to manage prohibited wastes will be conducted in conformance with this Site Operating Plan.

In addition to the above procedure, incoming loads will be inspected on a random basis. The Landfill Superintendent is responsible for determining the random inspection schedule, but a minimum of one inspection per day, and typically two inspections per day will be performed. The driver of the randomly selected load will be notified at the scalehouse and the waste truck driver will be directed to a load inspection area, where the load will be discharged from the vehicle. The inspector will break up the waste pile and inspect the material for any hazardous or prohibited waste. Any questionable waste will be placed back into the vehicle and the driver

instructed to depart the site to legally dispose of it. If any regulated hazardous waste is detected, the entire load will be refused.

The load inspectors will comply with OSHA standards and provisions of the Site Health and Safety Plan which will be maintained on-site. The load inspection area will be cleaned as necessary after each inspection.

Additional waste screening takes place at the working face of the active disposal area as described in Section 4.3 – Unloading of Waste of this SOP.

6.2 Record Keeping

The Landfill Superintendent is required to maintain and include in the site operating record the following documentation:

- Load inspection reports
- Records of hazardous or PCB waste notifications
- Personnel training records

Load inspection reports will be completed for each inspected load. The reports will include, at a minimum, the date and time of inspection, the name and address of the hauling company and driver, the type of vehicle, the size and source of the load, contents of the load, indicators of prohibited waste, and results of the inspection. An example waste screening report form is included in Attachment IVC.

TCEQ notification is required whenever a hazardous or PCB waste is detected. Records of the notifications will be kept in the Site Operating Record and will include the date and time of notification, the individual contacted, and the information reported. The TCEQ Region 9 Office will be notified by phone within 24 hours, and the TCEQ Municipal Solid Waste Section will be notified in writing within 14 days with a copy sent to the Region. Notification will also be sent to any local pollution agency with jurisdiction who has requested to be notified of an event. Records of the notifications are kept in the site operating record and will include the date and time of notification, the individual contacted, and the information reported.

Personnel training records will be maintained in the Site Operating Record and include evidence of successful completion of the training, type of training received, the location of the training, the name of the course, and the name of the instructor.

Records will be maintained documenting four quarterly performance results of using alternative daily covers for the site as described in Attachment IVA: Alternate Daily Cover Operating Plan.

All pH data collected on stormwater will be maintained in the Site Operating Record.

6.3 Training

The Environmental Compliance Officer, Spotters/Waste Screeners, Landfill Superintendents, Landfill Foreman, equipment operators, and scalehouse staff will maintain a thorough understanding of this plan and will be trained in the following areas:

- Customer notification and load inspection procedures
- Identification of hazardous, PCB, and prohibited wastes
- Waste handling procedures
- Health and safety
- Record keeping

Documentation of training is placed in the Site Operating Record.

6.4 Managing Prohibited Wastes

Unknown wastes undergoing analysis must be properly segregated and protected against the elements, secured against unauthorized removal, and isolated from other waste and activities.

In the event that prohibited waste is detected, the following provisions are in place for remediation.

1. Waste may be approached and handled only by trained staff wearing the appropriate personal protective equipment.

2. If the waste can be safely handled, then it will be segregated from the working face and placed in a secure area for proper disposition.
3. If the generator of the waste is known, then immediate contact, by phone or other means, shall be made for the pickup and proper disposal of the waste.
4. If the generator of the waste cannot be identified, then the transporter shall be held accountable for the pickup and disposal of the waste.
5. If the generator or transporter cannot be identified, then the landfill shall facilitate the proper disposal of the waste.
6. The party picking up and disposing of the waste shall be designated on the inspection report.
7. If the waste cannot be safely segregated from the working face, the area shall be quarantined until the appropriate emergency response team has been called, have arrived, and have picked up the waste for proper disposition.
8. Emergency contact numbers shall be posted at the scale house.

Prohibited wastes detected during inspections will be returned immediately to the hauler. If the hauler is not available, the waste will be safely stored until provisions for disposal can be arranged.

If hazardous or PCB wastes are detected, the Commission will be notified. Hazardous waste may be stored at the landfill for 90 days provided that the waste is placed in tanks or approved containers, the containers are clearly marked with the date of receipt and the words "Hazardous Waste," and an employee is designated as the emergency coordinator responsible for coordinating emergency response measures. As soon as practicable, the hauler will be required to remove the hazardous waste from the site. Prior to removal, the hauler must obtain an EPA identification number, package the waste in accordance with Texas Department of Transportation (TxDOT) regulations, and properly manifest the waste designating a permitted facility to treat, store, or dispose of the hazardous waste.

7.0 FIRE PROTECTION PLAN 30 TAC §330.115

7.1 Prevention of Fires

The following steps must be taken regularly by landfill personnel to prevent fires:

- Burning waste must be prevented from being dumped in the active area of the landfill. The Secretary/Scale Operator and equipment operators must be alert for signs of burning waste such as smoke, steam, or heat being released from incoming waste loads.
- Fuel spills must be contained and cleaned up immediately.
- Landfill equipment must not remain in the vicinity of exposed waste overnight.
- Dead trees, brush, or vegetation adjacent to the landfill must be removed immediately, and grass and weeds mowed so that forest, grass, or brush fires cannot spread to the landfill.
- Smoking is not permitted on the active areas of the landfill site.
- Soil cover or non-flammable alternate covers will be used on a daily basis.
- Open burning is not allowed.
- No waste will be exposed overnight.
- Motorized equipment must not be parked near fuel stations longer than necessary for refueling.
- Incoming "hot loads" will be prevented from dumping near the working face of the landfill but away from other waste. The Environmental Compliance Officer, the Spotter/Waste Screener, and equipment operators will be alert for signs of hot loads, such as smoke, steam, or heat being released from incoming waste loads.
- No smoldering or hot waste will be covered with other waste or alternate daily cover until all indications of fire are eliminated.
- The "No Smoking" rule applies equally to landfill patrons, BVSWMA personnel, and visitors, and will be rigidly enforced by all site personnel. Smoking will be confined to designated areas only, away from active areas of the landfill, fuel stations, and other fire-sensitive areas. Signs will be provided to indicate areas of no smoking and areas where smoking is allowed.

- Landfill equipment will be parked near the active working face of the site overnight to be accessible by landfill personnel, but a safe distance from the working face to prevent damage from a potential fire at the working face.
- Cleaning of equipment at the working face will be done using limited high pressure hot water or steam to remove combustible waste and caked material that can cause equipment overheating and increase the threat of fire. Cleaning will be accomplished in an area that was constructed in a manner that is compliant with Subtitle D requirements. There is no limit on the number of times that cleaning may occur.

7.2 General Rules for Fire Incidents

- Contact the Fire Department by calling 979-764-3700 or 911. The City of College Station Fire Department, approximately 8.5 miles away, will respond if necessary.
- Alert other facility personnel.
- Notify the TCEQ regional office of the occurrence of any fire related to municipal solid waste activities that cannot be extinguished within 10 minutes of detection. This notice must be made by telephone no later than four hours after fire detection and in writing within 14 days of detection.
- Assess extent of fire and possibilities for the fire to spread and alternatives for extinguishing the fire.
- If it appears that the fire can be safely fought with available fire fighting devices until arrival of the Fire Department, attempt to contain or extinguish the fire.
- Upon arrival of Fire Department personnel, direct them to the fire, and provide assistance, as appropriate.
- Do not attempt to fight a fire alone.
- Do not attempt to fight a fire without adequate personal protective equipment.
- Be familiar with the use and limitation of fire fighting equipment.
- Fire fighting methods include smothering with soil, separating burning material from other waste, and spraying with water from the water truck or pumped from nearby ponds or streams. If detected soon enough, a small fire may be fought with a hand-held extinguisher. Fire extinguishers will be located at the scalehouse and on each piece of operating equipment.

- All landfill personnel will be trained in landfill fire fighting techniques.

Generally, smothering with soil can be quickly employed to fight a landfill fire. The faster that soil can be placed over the fire, the more effective this method will be in controlling and extinguishing the fire. Sufficient cover soil will be stockpiled within 1,800 feet of the working face and be accessible to cover the entire working face with at least six inches of soil within one hour using on-site equipment. The following calculation demonstrates the ability to cover the maximum working face size of 200 feet by 200 feet with six inches of soil in one hour.

Soil required = 200 feet * 200 feet * 0.5 feet = 20,000 CF = 741 CY stockpile location within 1,800 feet of working face.

Equipment to move soil – excavator and two articulated dump trucks (27 CY minimum capacity).

Average speed including load and unload = 10 mph = 880 feet per minute.

Round trip time = 2 * 1,800 feet/880 fpm = 4.1 minutes.

Number of trips required = 741 cy/27 cy = 28 trips.

Each truck must make 14 trips @ 4.1 minutes each.

Time to cover = 14 * 4.1 min. = 57.4 minutes which is less than the maximum of 60 minutes.

The site must be provided with fire extinguishers, of a type, size, location, and number as recommended by the local Fire Department or the BVSWMA's insurance carrier. Fire extinguishers will be fully charged and ready for use at all times. Each extinguisher will be inspected on an annual basis and recharged as necessary. A qualified service company will perform these inspections, and all extinguishers will display a current inspection tag. Inspection and recharging must also be performed within 24 hours following each use, unless spare units are

available to replace the discharged units. Landfill equipment will not be returned for use without fully charged fire extinguishers on-board. The scalehouse, as well as all landfill equipment and vehicles, will be equipped with fire extinguishers.

After each fire incident, BVSWMA will contact the TCEQ Region 9 Office by phone within 24 hours, and will contact the TCEQ Municipal Solid Waste Section in writing within 14 days.

The City of College Station Fire Department will conduct on-site fire fighting training annually.

7.3 Specific Fire-Fighting Procedures

- If a fire occurs on a vehicle or piece of equipment, the first step is to bring the vehicle or equipment to a safe stop. If safety of personnel will allow, the vehicle must be parked away from fuel supplies, uncovered solid wastes, and other vehicles. Shut off the engine, engage the brake, or use some other appropriate method to prevent subsequent movement of the vehicle.
- If the fire is in the working face, the burning area should be isolated, pushed away from the working face quickly, or firebreaks should be cut around the fire before the fire can spread throughout the working face. If this is not possible or unsafe, efforts to cover the working face with earth must be initiated immediately to smother the fire. A stockpile of cover soil of sufficient size to cover the entire working face will be maintained within 1,800 feet of the working face for use in fire control.
- Fire fighting methods include smothering with soil, separating burning material from other waste, and spraying with water from a water truck. If detected soon enough, a small fire may be fought with a hand-held extinguisher. Any water used in fire fighting will be and must be treated as contaminated or uncontaminated storm water, as appropriate.
- If the area of burning waste is small (e.g., an area of 10 feet by 10 feet or less) and is a surface fire, it will be extinguished using a fire extinguisher located on the equipment at the working face. After the fire is extinguished, the affected portion of the working face will remain closed while the area is inspected to verify the fire is completely extinguished. Inspection of the fire area will be conducted by the Landfill Supervisor or their designee.

- The burning waste material will be removed (i.e., "cut out" of the working face by a dozer or similar equipment) from the working face to an area where it can be covered with 6-inches of soil. The water truck may also be used to extinguish the burning waste. The working face area in which the burning waste was removed will be covered with 6-inches of soil. The affected portion of the working face will remain closed while the area is inspected to verify the fire is completely extinguished. Water that is used to fight the fire will be contained by the contaminated water containment berm. Contaminated water will be managed as specified in Part III, Attachment 15 – Leachate and Contaminated Water Plan. Inspection of the fire area will be conducted by the Landfill Supervisor or their designee.

In each case listed above, the Landfill Supervisor or their designee confirms that the fire has been extinguished, and then waste filling operations in that area may resume. In the event that the fire cannot be controlled using the methods above, the local fire department will be called at 911.

Part IV-1

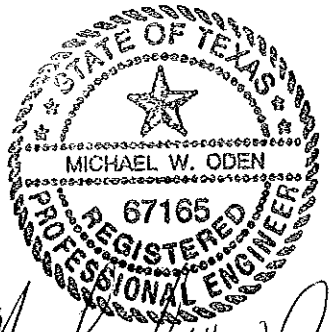
Attachment IVA: Alternate Daily Cover Operating Plan

for

BVSWMA Twin Oaks Landfill

Grimes County, Texas

1-3-2008



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1-3-2008

STATE OF TEXAS
MICHAEL W. ODEN
67165
REGISTERED PROFESSIONAL ENGINEER

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For pages A-3 thru A-6

I. Introduction

Section 30 TAC §330.165 (d) of the Texas Commission on Environmental Quality (TCEQ) regulations require an Alternate Daily Cover (ADC) Operating Plan for sites that use ADC. The plan which is to be included in the Site Development Plan, is to include:

1. A description and thickness of the alternative material to be used;
2. Its effect on vectors, fires, odors, and windblown litter and waste;
3. The application and operational methods to be utilized at the site when using this alternative material;
4. Chemical analysis of the material and/or the Material Safety Data Sheet
5. Any other pertinent characteristic, feature, or other factors related to the use of this alternative material.

Also, Section 30 TAC §330.133 (c) requires submittal of quarterly status reports on the ADC. The reports are to include information regarding the effectiveness of the alternative material, any problems that may have occurred, and corrective actions required as a result of such problems. The rules provided for elimination of the status reports after six months' use if no problems occur.

Airspace Saver Daily Cover (ASDC tarp) or equivalent may be used to cover waste except when the landfill is to be closed for a period of greater than 24 hours or an alternate length of time approved for the site by the TCEQ, as required by §330.165(d)(3).

II. Description and Thickness of the Alternative Material

A. Airspace Saver Daily Cover (ASDC) is a high-density woven T.G.N.N. polyethylene coated fabric manufactured by Fabrene Inc. Mississauger, Ontario, Canada. Its thickness will be not less than 7.5 mil thick. Panels will be heat welded together to the desired width. A series of high tensile strength nylon web straps will be sewn around the perimeter of the ASDC for added strength.

III. Effect on Vectors, Fires, Odors, and Windblown Material

A. The tarps provide for adequate waste coverage to minimize problems with windblown waste, vectors, and odors. This material is flame retardant and will not propagate a flame. However, it should not be used to fight fires.

IV. Operational Methods Utilized at the Site When Using the Alternative Material

A. Using standard landfill equipment and site personnel, the ASDC is placed over the waste and secured along the sides and ends. The tarps are removed in the mornings using landfill equipment and site personnel.

V. Chemical Composition of the Alternate Daily Cover Material the Material Safety Data Sheets

A. Woven T.G.N.N. Polyolefin.

B. See attached Material Safety Data Sheets.

VI. Other Pertinent Characteristic, Feature, or Other Factors Related to the Use of the Alternative Material

There are no other pertinent characteristics, features, or other factors related to the use of this alternate material.

VII. Material Safety Data Sheets

Material Safety Data Sheets are attached.

Material Safety Data Sheet

V SPECIAL PRECAUTIONS

HANDLING & STORAGE: Adequately restrain rolls to prevent shifting during handling and storage.

VI HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LIMIT(S): N/A
ROUTES OF EXPOSURE: N/A
OVEREXPOSURE EFFECTS: N/A
EMERGENCY & FIRST AID PROCEDURES: None Required

VII REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Contact with strong oxidants, acids; temperatures above 260°C
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO_2, Oxides of Nitrogen, Aldehydes and unidentified organic compounds may be formed upon combustion. Flame retardant grades may include hydrobromic acid, and Antimony Oxides. The nature and quantity of by-products formed upon combustion will vary under various conditions - temperature, available oxygen, the presence of other materials, and the nature of combustion (flame or carbonization).
HAZARDOUS POLYMERIZATION: Will not occur.

VIII SPILL OR LEAK PROCEDURE

IF MATERIAL IS RELEASED OR SPILLED: No special procedure is required
NEUTRALIZING CHEMICALS: N/A
WASTE DISPOSAL METHOD: N/A

IX SPECIAL PROTECTION INFORMATION

VENTILATION: Not required
CLOTHING & EQUIPMENT REQUIREMENTS: Not required
RESPIRATION: Not required
EYE PROTECTION: Not required
HAND/ARM PROTECTION: Not required

PREPARED BY: Todd Travis *TECHNICAL SERVICE REPRESENTATIVE*

N/A = Not available

Revised 26 February, 2003
Printed 14 August, 2003

Material Safety Data Sheet

I PRODUCT

TRADE NAME: FABRENE® WOVEN POLYOLEFIN FABRIC

SUPPLIER: Fabrene Inc.
ADDRESS: 240 Dupont Rd.
North Bay, Ontario P1B 9B4
TELEPHONE: (705) 476-7057
FACSIMILE: (705) 476-7787
E-MAIL: ttravis@pginw.com

II HAZARDOUS INGREDIENTS

LEVELS	*PRODUCT*	
< 0.5%	All	crystalline Silica
0.1% - 2.5%	Browns	Ferric Oxide
N/A	Flame Retardant	Arsenic
<1.5%	Flame Retardant	Antimony Trioxide
N/A	Flame Retardant	4-hydroxy-2,2,6,6-tetramethyl-1-piperidineethanol
N/A	Flame Retardant	1,2-bis(tetrabromophthalimido)ethane

Note: All ingredients in Fabrene® woven polyolefin fabrics are bound within the polyolefin.
Fabrene® woven polyolefin fabrics are not hazardous under normal conditions.

III PHYSICAL DATA

BOILING POINT:	*ºC*	N/A
MELTING POINT:	*ºC*	110 - 160
MAXIMUM-USE TEMPERATURE:	*ºC*	PP 105-150; PE 80-100 (no load)
VAPOUR PRESSURE:	*kPa*	N/A
VAPOUR DENSITY:	*air=1*	N/A
SPECIFIC GRAVITY:	*g/cm³*	0.90 - 0.95 (H_2O=1)
VOLATILES:	*vol. %*	N/A
EVAPORATION RATE:		N/A
SOLUBILITY IN WATER:	*wt %*	Insoluble
APPEARANCE:		Clear or pigmented woven fabric
ODOURS:		Odourless

IV FIRE AND EXPLOSION DATA

FLASH POINT:	*ºC*	Not Applicable, solid form
AUTOIGNITION TEMPERATURE:	*ºC*	PE 330 - 410
FLAMMABLE LIMITS IN AIR:	*vol %*	LEL: N/A UEL: N/A
EXTINGUISHING MEDIA:		H_2O, Dry Chemical, CO_2
FIRE FIGHTING PROCEDURES:		Fabrene® woven polyolefin fabric is a combustible material. Avoid contact with dripping molten plastic. Self-contained breathing apparatus is recommended.
FIRE & EXPLOSIVE HAZARDS:		None.

N/A = Not available

® FABRENE is a registered trademark of FABRENE Inc. for its woven polyolefin fabrics.

Revised 26 February, 2003
Printed 14 August, 2003

Part IV-1

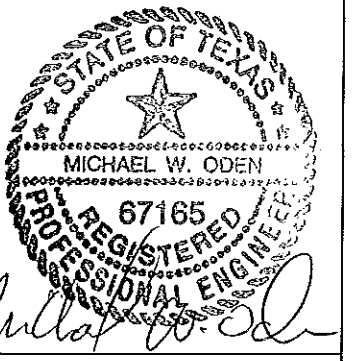
Attachment IVB: Special Waste Handling Procedures

for

BVSWMA Twin Oaks Landfill

Grimes County, Texas

1-3-2008



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For pages B-1 thru B-2

Special Waste	Handling Procedure	File Manifest and Ticket?
Medical Waste	The BVSWMA Twin Oaks Landfill does not accept untreated medical waste. Any health care related facility that brings treated medical waste to our facility is visited personally by the Environmental Compliance Officer to assure that they are properly treating the waste. Treated medical waste brought to the facility is handled carefully and covered promptly in order that we may further ensure the safety of landfill employees.	No
Dead Animals	The arrival of dead animals at the landfill is announced from the scalehouse to the working face crew so that an area may be prepared for the animals. The waste is dumped and covered immediately with 3 feet of solid waste or at least 2 feet of soil.	No
Asbestos Containing Material (ACM) that is non-friable (non-regulated)	The BVSWMA Twin Oaks Landfill does not accept regulated (friable) asbestos containing material (ACM). Non-friable ACM may be accepted from household customers, but no business/contractor customers (except the City of Bryan, Bryan ISD, City of College Station, and College Station ISD). The non-friable ACM must arrive at the landfill sealed in containers or bags so that none of the ACM is exposed. The working face personnel must be notified immediately by the scalehouse that the waste has arrived. The working face crew then prepares an area in which the non-friable ACM is carefully placed and covered so that the material breaks up as little as possible. ACM will be disposed in below-grade lifts, and the location of such material will be marked and noted in landfill records.	No
Empty pesticide, herbicide, fungicide, or rodenticide containers	Empty containers that have been triple-rinsed are accepted for disposal.	No
Sludge, grease trap or grit trap waste	After the appropriate forms and test regarding the chemical consistuents of the waste have been received and approved by the TCEQ, we will accept these materials only if they pass the "paint filter test". Sludge is not accepted after 2:00 PM in the afternoon, due to the difficulty in handling the waste late in the day. The scalehouse will notify the working face crew upon arrival of this special waste	Yes
Contaminated Soil and Other Special Waste	Special wastes that receive specific authorization from the TCEQ will be reviewed on a case-by-case basis and BVSWMA staff will determine the landfill's ability to safely handle the waste. If the landfill agrees to accept the special waste, we will abide by the specific instructions outlined in the TCEQ letter of authorization. The Environmental Compliance Officer will notify the scalehouse of all special waste that has been approved, and a specific date and time will be set to accept the special waste.	Yes

Part IV-1

Attachment IVC: Example Waste Screening Report Form

for

BVSWMA Twin Oaks Landfill

Grimes County, Texas

1-3-2008

STATE OF TEXAS
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BVSWMA

BRAZOS VALLEY SOLID WASTE MANAGEMENT AGENCY

WASTE SCREENING REPORT

Inspection No. _____

Site Name: Twin Oaks Landfill **Permit No.** 2292

Date: **Time:** _____

Name of Inspector: _____

Purpose of the Inspection ☐ Random Screening ☐ Suspected Unauthorized Waste ☐ Other

Transporter Information:

Company Name _____

Address _____

Phone _____

Driver's Name _____

Truck No. or I.D. _____

Waste Source _____

☐ Commercial ☐ Residential

Type of Unauthorized Waste:
Special Waste:
Sample Taken: ☐ **Yes** ☐ **No** **Sample I.D.:**
Action Taken:
☐ **TCEQ Notified** **Contact Person:** **Date:**